SolePower Mobile Apps

SCOPE OF WORK DOCUMENT

V 1

By:

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1. Overview

Sole Power is a free green commuting challenge for Eagle Valley. The initiative encourages community members to commute without using a motor vehicle from Memorial Day through Columbus Day. Participants can track their mileage and carbon emissions throughout the season and beyond. Sole Power offers a great chance to commute to work, appreciate the outdoors, save money, and stay active in the summer. Whether you walk, bike, run, or skate, as long as you avoid motor vehicles, you are welcome to join.

2. Objective

Currently, members sign up and register on the website to create an account and record their milage and then be featured on the leaderboard. Our vision for the Sole Power Mobile App is to have a mobile app for users that encourages active participation in human-powered transportation, bolstering users to establish and track their trips and miles, monitor their progress and evaluate their standing among peers on a mobile app.

3. Functional hierarchy of the mobile apps

The functional hierarchy of the app is designed to make it easy for users to navigate and access the app's features and content as below:

- Splash screen
- Sign-in
    - Forgot Password
    - Forgot Username
- Sign-up
- Profile setup
- App Header
- App Footer
- Calculation for stats
- Home
- Auto Trip Log
- Post Trip screen
- Log manual trip
- My Trips
- Leaderboard
- Community Feed
- Achievements
- Profile
- Notifications
- Settings
- Notifications and in-app alerts

4. Functional details of the mobile apps

There will be an iOS and Android app. Once the app is ready and deployed to the app stores, the user can download the app from the Google play store for Android and the Apple app store for iOS. The app can only be logged into by users that have signed up.

4.1 Splash:

Upon tapping the app icon, the user will see a splash screen with the app's logo, featuring a subtle animation and a loading spinner to indicate the app is loading.

4.2 Sign-In:

After the splash screen, the login screen appears, allowing users to enter their email and password or use social media login options such as Facebook and Google. There is a "Remember Me" checkbox to remember the credentials. Incorrect login attempts trigger an error message. Links for "Forgot Password", "Forgot Username" and "Sign-Up" are available.

Forgot Password

Upon tapping this link, a 6-digit code will be generated and sent to the user's phone number as an SMS. On the screen, the user will be prompted to enter the code and submit it. A progress bar shows steps completed. After authentication, the user will be redirected to the screen where they can set up a new password. They will be prompted to set up a unique and strong password, which should be eight characters long, has no predictable pattern and contains a mixture of numbers, special characters, and both uppercase and lowercase letters. The screen will include a password strength indicator that provides visual feedback on the strength of the password as the user types it.

If the user does not receive the verification code via SMS within 3 minutes, they should have the option to resend the code.
For added security, the verification code should expire after 10 minutes and the limit of the number of verification attempts should be just 3 to prevent abuse. A captcha prevents abuse. After the user successfully sets a new password, a confirmation message indicating the password has been reset should be displayed along with an option to navigate back to the login screen.

Forgot Username

Upon tapping this link, the user will be prompted to enter their registered phone number. Once entered and they click submit a 6-digit code will be generated and sent to the user's phone number as an SMS. The user must enter the code on the screen and submit it.

After authentication, the user will be shown their registered email address on the screen. If the user does not receive the verification code within 3 minutes, they should have the option to resend the code. The verification code should expire after 10 minutes, and the user should only get 3 attempts to resend the code and try every 24 hours (to prevent abuse).

After successfully verifying their phone number, the user should be shown a confirmation message indicating the retrieval of the email address and be provided an option to navigate back to the login screen.

4.3 Sign-up

On the Sign-in screen there will be a sign-up link that when clicked will take the user to the sign up screen. On the sign-up screen a user can sign up with their Facebook, Google account or a normal email SSO sign up.

If the user chooses Facebook or Google after connecting their Google or Facebook account, the screen below will auto populate with the following fields, if the user selects Email SSO, then they must fill out the below fields, all the fields are mandatory and must be filled:

Email*:

Password*:

First Name*:

Last Name*:

City*:

State*:

Phone number*:

Zip code*:

"**I agree to the <Privacy policy link>***" and there will be a checkbox, checking it would indicate the user agrees and unchecking it would mean they disagree.

"**I agree to the <Terms & Conditions link>***" and there will be a checkbox, checking it would indicate the user agrees and unchecking it would mean they disagree.

Privacy policy will be a link that leads to the Privacy Policy screen (defined below under settings) and when clicked the user can read it and click back to go back to the above screen.

Terms & Conditions will be a link that leads to the Terms & Conditions screen (defined below under settings) and the user can read it and when clicked the user can read it and click back to go back to the above screen.

Then there will be a sign-up button that if tapped and if all mandatory fields have not been filled out will indicate to the user to fill those out correctly using standard error messages, so the user should fill them out and agree to the privacy policy and terms and conditions to move forward. If the user doesn't agree to the privacy policy or terms and conditions, they will not be allowed to move forward.

If the mandatory fields have been filled out correctly and the privacy policy and terms and conditions have been agreed to, when the "Sign-up" button is clicked, a 6-digit code will be generated and sent to the user's phone number via SMS. The user must enter the code on the screen and submit it. After authentication, the user will be redirected to the screen where they can set up their profile.

4.4 Profile setup

After the user signs up, they are taken to their profile setup. The fields of the profile setup and their input are defined below:

Profile picture:

Users choose either Avatar or Picture. If Avatar is chosen, they can select from a variety of pre-made, customizable cartoon-style avatars. If Picture is selected, users can upload a photo from their device with options to crop and adjust the image. Only one option can be selected, and a preview of the chosen avatar or picture will be shown.

There will be pre-made cartoon style avatars available that the user can choose as their profile picture.

Display name*:

Users must enter a unique display name that is checked in real-time for availability. Immediate feedback is provided to ensure the name doesn't already exist in the system.

About me: The user can optionally write a 30-word bio of themselves, that will display on their profile page.

Team or Individual Participation: *

Users select either "Team" or "Individual." If "Individual" is selected, users proceed as individual members. If "Team" is selected, users choose to join or create a team:

- **Join a team:** A dropdown menu with all current teams is presented for selection.
- **Create a team:** Users enter a unique team name, checked in real-time for availability. Upon creating a team, a message informs users that the team will be sent for admin approval before formation.

Newsletter Subscription: *

Users select "Yes" or "No" to subscribe to the newsletter, with a brief description of its content provided. If "Yes," their email address is subscribed; if "No," it is not. The description will be:

"*The Sole Power e-newsletter comes out once a week and shares overall progress towards Sole Power goals, highlights each weeks leaderboards, includes any details about upcoming events and shares each week's winner.*"

A large "Finish" button finalizes the setup. If all mandatory fields are filled out, users are taken to the Home screen. If not, error messages prompt users to complete the missing fields.

4.5 App Header

- **Top:** Displays the app logo, user's current ranking on the leaderboard (e.g., #121), and the user's avatar/profile picture (top right).
- **Profile picture/Avatar:** When the profile picture or Avatar is tapped a menu pops-up which gives access to the user's:
  - Profile
  - Achievements
  - Notifications
  - Settings

Any unread notifications will become a red numbered bubble on the corner of the profile picture or avatar and a red numbered bubble on the "Notifications" menu item in the menu.

4.6 App Footer

Located at the bottom will be the bottom tray, which is stationary and seen throughout the app, this tray will have the icons for Home, My Trips, Leaderboard and Community Feed screens.

4.7 Calculations for stats:

- **Gas saved:** <Miles>*0.0467
- **Carbon dioxide reduced:** <Miles>*(0.0467)*19.64
- **Money saved:** <Miles>*(0.0467)*3.99

4.8 Home

The home screen should provide users with immediate access to the most important features of the app, offering a clear and engaging overview of their current progress and quick navigation to other sections.

4.8.1 Header

Personalized Greeting: Based on the time of day and user's location, such as "Good Morning, [User]!", "Good Afternoon, [User]!", or "Good Evening, [User]!".

4.8.2 Main Content:

4.8.2.1 Progress Overview:

Lists the user's progress so far, with the user's badge, miles tracked counter, CO2 saved counter, and money saved counter.

```
----------------| Progress Overview | ---------------

| <Badge icon>: 10 miles badge |

  | ▯♂ Miles Tracked: 150 Miles |

  | ▯ CO2 Saved: 20 lbs |

  | ▯ Money Saved: $50 |

----------------------------------------------------------
```

If no badge is earned yet the badge row will just move up and show the other counters, if no trips are made yet the other entries would just say 0.

4.8.2.2 Next Badge Milestone

Display how far the user is from earning their next badge with a clear progress indicator.
For example, "You are 5 miles away from your next badge!"

```
--------------|Next Badge Milestone |--------------
| |███████████---------|  15/20 miles |
|  --------------------------------------------------- |
| You are 5 miles away from your next badge! |
----------------------------------------------------------
```

4.8.2.3 Recent Activities

A list of 3 recent trips logged, showing date, total miles, CO2 saved and money saved.

```
-------------------------------------------------------------------
|        Recent Activities
|  ------------------------------ -----------------------------|
| | ⚲♂ 01 June - 3 miles - 0.5lbs CO2 saved - $2 saved|
|  -----------------------------------------------------------|
| | ⚲♀ 30 May - 5 miles - 0.8lbs CO2 saved- $4 saved|
|  -----------------------------------------------------------|
| | ⚲♂ 29 May - 2 miles - 0.3lbs CO2 saved - $1 saved|
|  -----------------------------------------------------------|
```

4.8.2.4 Quick Actions

Buttons for key actions such as starting a new trip and logging a manual trip,

- **Start New Trip:** An icon/button to quickly start a new trip.
- **Log Manual Trip:** An icon/button for manual trip logging.

4.8.2.5 Dynamic Backgrounds

Change the background image or theme of the home screen based on the time of day and user's location. For example:

Morning: Bright and sunny landscape.

Afternoon: Warm and lively cityscape.

Evening: Calm and serene sunset scene.

Night: Tranquil and starry night sky.

4.9 Auto Trip Log

When the user clicks "Start New trip" and enters "Auto Trip Log" screen, they are provided with a detailed view for managing and tracking their trip.

4.9.1 Header

Centered at the top of the page, the "Auto Trip Log" title is in a large, bold font.

Below the title, users can select their mode of transport with a horizontal segmented control or dropdown. The available options are Walking, Running, Bicycling, Skating, E-Biking, and Other, each represented by an icon and label. Walking is selected by default.

4.9.2 Main Content Area

A. Start/Stop/Pause Logging:

This is the primary area of the page and includes the following:

- **Play Button:** A large, circular play button is displayed in the center to start logging the trip. When pressed, the button changes to a pause button, and the stop button becomes visible.
- **Pause Button:** This button appears next to the stop button when logging starts. Pressing it pauses the trip, changing the pause button back to the play button.
- **Stop Button:** Located next to the pause button, pressing this button stops the trip logging and transitions to the Post Trip screen.
- **Status Indicator:** Below the button, a text status ("Logging Active" or "Logging Inactive") with a subtle animation (e.g., pulsing glow when active).

B. Trip Summary:

Below the control buttons and status indicator, the real-time trip summary is displayed:

- **Distance Covered:** Shows the total distance traveled.
- **Time Elapsed:** Displays the duration of the trip.
- **CO2 Saved:** Indicates the amount of CO2 emissions saved.
- **Money Saved:** Indicates the amount of money saved.
- **Map View:** A small map showing the current route.

C. Recent Trips:

Towards the bottom of the main content area, a list of recent trips is displayed, showing the last 3 trips with details like date, distance, CO2 saved, money saved. Each entry includes edit and delete icons for quick modifications of trip date and distance, the co2 and money saved is then calculated automatically. If no trips have been made at all yet the entries would just be blank.

4.9.3 Footer

Quick Actions Bar:

- **Log Manual Trip:** An icon/button for manual trip logging.
- **Achievements:** Button to view badges and achievements.
- **Leaderboard:** An icon/button to view the Leaderboard

4.9.4 User Flows

Start Trip Logging (Play Button Clicked):

- **Initial State:**
    - User selects the mode of transport.
    - User presses the play button.
- **Action:**
    - Logging starts. The play button changes to the pause button.
    - Stop button becomes visible.
    - Real-time data and map updates begin.

- **UI Changes:**
  - Display real-time trip summary (distance, time, CO2 saved, money saved).
  - Map shows the current route.

Pause Trip Logging (Pause Button Clicked):

- **Active Logging State:**
  - User presses the pause button.
- **Action:**
  - Logging pauses. The pause button changes to the play button.
  - Stop button remains visible.
  - Status indicator stops animating (pulsating) and says "Logging inactive"
- **UI Changes:**
  - Real-time updates pause. Data remains on the screen.
  - Map pauses the current route tracking.

Resume Trip Logging (Play Button Clicked from Pause):

- **Paused State:**
  - User presses the play button.
- **Action:**
  - Logging resumes. The play button changes back to the pause button.
  - Stop button remains visible.
  - Status indicator starts animating (pulsating) and says "Logging active"
- **UI Changes:**
  - Real-time updates and map tracking resume.

Stop Trip Logging (Stop Button Clicked):

- **Active or Paused Logging State:**
  - User presses the stop button.
- **Action:**
  - Logging stops. User is transitioned to the Post Trip screen.
- **UI Changes:**
  - Post trip screen is shown

4.9.4 Indicating Active Auto Trip Logging outside of the auto trip log screen

When users navigate to different sections of the app or outside the app, while auto trip logging is active, it's crucial to maintain a clear, consistent, and unobtrusive indication that logging is ongoing. Here's a comprehensive and user-friendly design approach:

4.9.4.1 Persistent Status Indicator

A. Top Bar Notification:

- **Location:** At the top of every screen within the app.
- **Appearance:** A slim bar with a distinct color (e.g., green) to stand out from other UI elements.
- **Content:**
    1. **Icon:** A small, animated icon (e.g., a walking person or bicycle wheels spinning, icon changes depending on mode of transport selected) to indicate activity.
    2. **Text:** "Auto Trip Logging Active"
    3. **Timer:** Shows elapsed time of the current trip.
    4. **Distance:** Displays the distance covered so far.

Top Bar Notification Layout:

```
-----------------------------------------
| ▣ Auto Trip Logging Active | 15 min | 2.5 miles |
-----------------------------------------
```

Interaction:

- **Color Change:** Subtle pulsing or color change to draw attention without being too distracting.
- **Tap:** Directs to the Auto Trip Log screen for full details.

B. Status Bar Notification:

- **Location:** The phone's status bar (where signal, battery, and time are displayed).
- **Appearance:** A small, persistent icon indicating active trip logging. Icon should be unique and not a mode of transport
- **Content:** A brief notification in the pull-down shade with trip details and controls.

Status Bar Notification Layout:

```
------------------------
| ▯ Auto Trip Logging   |
| 15 min | 2.5 miles    |
------------------------
```

Interaction:

- **Pull-Down Shade:** Expands to show more details and quick action buttons (Pause/Resume, Stop).
- **Tap:** Directs to the Auto Trip Log screen for full details.

C. Persistent Notification:

- **Location:** The phone's notification tray.
- **Appearance:** A persistent notification card with trip details.
- **Content:** Includes current trip status, distance, time, and quick action buttons (Pause/Resume, Stop).

Notification Tray Layout:

```
----------------------------------------
| ⏸ Auto Trip Logging                  |
| Elapsed Time: 15 min | Distance: 2.5 miles |
| [Pause/Resume] [Stop]                |
----------------------------------------
```

Interaction:

- **Tap:** Directs to the Auto Trip Log screen for full details.

4.9.5 Indicating Paused Auto Trip Logging outside of the auto trip log screen

When auto trip logging is paused, it is essential to provide clear and consistent visual cues to remind the user of the paused state while ensuring the UI remains intuitive and unobtrusive. Here's a design approach for this scenario:

4.9.5.1 Persistent Status Indicator

A. Top Bar Notification:

- **Location:** At the top of every screen within the app.
- **Appearance:** A slim bar with a distinct color (e.g., orange) to stand out from other UI elements.
- **Content:**
    1. **Icon:** A small, static icon (e.g., a pause symbol) to indicate paused activity.
    2. **Text:** "Auto Trip Logging Paused"
    3. **Timer:** Shows elapsed time since the trip started, with a paused label.
    4. **Distance:** Displays the distance covered so far.

Top Bar Notification Layout:

```
-------------------------------------------
| ▯ Auto Trip Logging Paused | 15 min | 2.5 miles |
-------------------------------------------
```

Interaction:

- **Tap to Expand:** Tapping the bar expands a dropdown with more details and controls (Resume, Stop, Trip Summary).
- **Color Change:** Subtle pulsing or static to indicate the paused state.
- **Tap:** Directs to the Auto Trip Log screen for full details.

4.9.5.2 Status Bar Notification

B. Status Bar Notification:

- **Location:** The phone's status bar (where signal, battery, and time are displayed).
- **Appearance:** A small, persistent icon indicating paused trip logging.
- **Content:** A brief notification in the pull-down shade with trip details and controls.

Status Bar Notification Layout:

```
-------------------------
| ▯ Auto Trip Logging Paused |
| 15 min | 2.5 miles     |
-------------------------
```

Interaction:

- **Pull-Down Shade:** Expands to show more details and quick action buttons (Resume, Stop).
- **Tap:** Directs to the Auto Trip Log screen for full details.

4.9.5.3 Notification Tray

C. Persistent Notification:

- **Location:** The phone's notification tray.
- **Appearance:** A persistent notification card with trip details.

- **Content:** Includes current trip status, distance, time, and quick action buttons (Resume, Stop).

Notification Tray Layout:

```
-----------------------------------------
| ▣ Auto Trip Logging Paused            |
| Elapsed Time: 15 min | Distance: 2.5 miles |
| [Resume] [Stop]                       |
-----------------------------------------
```

Interaction:

- **Tap:** Directs to the Auto Trip Log screen for full details.

4.10 Post Trip Screen

When the user finishes a trip and presses the stop button, they are taken to the post trip screen and provided with a detailed trip summary view.

4.10.1 Header

Trip Summary:

Centered at the top of the page, the "Trip Summary" title is in a large, bold font. Below the title, users see the icon and label of the selected transport mode.

```
----------------------------
| ←  Trip Summary          |
|        🚴‍♂️ Cycling         |
----------------------------
```

4.10.2 Main Content Area

A. Trip Summary Details:

This is the primary area of the page and includes the following:

- **Mode of Transport:** Display icon and label for the selected transport mode.
- **Distance:** Shows the total distance covered.
- **Time:** Displays the total duration of the trip.
- **CO2 Saved:** Indicates the amount of CO2 emissions saved.
- **Money Saved:** Indicates the amount of money saved.
- **Map View:** Shows the route taken on a map with start and end points.

```
--------------------------
| Trip Summary Details    |
```

```
|------------------------ |
| 🚴 Mode: Cycling       |
| 🚲 Distance: 5 miles    |
| ⏱ Time: 30 minutes      |
| 🌿 CO2 Saved: 2 lbs     |
| 💰 Money Saved: $3      |
| 🗺  Route Map           |



--------------------------
```

B. Congratulatory Message:

Below the trip summary details:

- **Message:** "Great job! You saved [X] CO2 emissions! Thanks for contributing to a healthier community"
- **Icons/Graphics:** Animated confetti or celebratory icons to enhance the congratulatory message.

```
---------------------------------
|    Congratulatory Message     |
---------------------------------
| 🎉 Great job! You saved 2 |
|    lbs of CO2 emissions!  |
|  Thanks for contributing  |
|  to a healthier community.|
|     🎉 🎉 🎉 🎉           |
---------------------------------
```

C. Actions:

Towards the bottom of the main content area:

- **Edit Trip:** Button to edit trip details (distance, time, mode of transport).
- **Delete trip:** When clicked, a confirmation pop-up appears asking, "Are you sure you want to delete this trip? This action cannot be undone." Options: "Yes" to delete and "No" to cancel.
- **Share Trip:** Button to share the trip summary on social media or with friends.

```
--------------------------------------------------
| ⮾ Edit Trip | ⮾ Delete Trip | ⮾ Share Trip |
--------------------------------------------------
```

4.10.3 Footer

Quick Actions Bar:

- **Start New Trip:** Button to quickly start a new trip.
- **Log Manual Trip:** An icon/button for manual trip logging.
- **Achievements:** Button to view badges and achievements.

4.10.4 User Flows

Editing Trip Details:

- **Edit Button Pressed:**
  - User presses the "Edit Trip" button.
- **Edit Screen:**
  - Display editable fields for distance, time and mode of transport.
  - User makes necessary changes and confirms.
- **Return to Summary:**
  - User is taken back to the trip summary screen with updated details.

Delete Trip Details:
- **Delete Button Pressed:**
  - User pressed the "Delete Trip" button.

- **Delete Sceen:**
  - o Confirmation pop-up appears asking, "Are you sure you want to delete this trip? This action cannot be undone." Options: "Yes" to delete and "No" to cancel.
  - o The trip is deleted and the user is taken to the home screen
- **Confirmation:**
  - o Display confirmation message: "Trip deleted successfully!"

- **Return to Home:**
  - o User is taken back to the home screen.

Sharing the Trip:

- **Share Button Pressed:**
  - o User presses the "Share Trip" button.
- **Share Options:**
  - o Display options to share on social media platforms or with specific contacts (share sheet).
  - o Prefilled text for social media: "□♀□♂ Just completed an <No of miles> eco-friendly trip using the Sole Power app! □□ Saved [X] lbs of CO_2 and enjoyed the great outdoors. □□ Join me in making a difference! Start logging your trips today. □✦✧#SolePower #GreenCommuting [app link]"
- **Confirmation:**
  - o Display confirmation message: "Trip shared successfully!"

Starting a New Trip:

- **Start New Trip Button Pressed:**
  - o User presses the "Start New Trip" button.
- **New Trip Logging:**
  - o User is taken back to the auto trip logging screen to begin a new trip.

4.11 Log Manual Trip

When the "Log Manual Trip" button is clicked from the home screen, the user is directed to the Manual Trip Logging page, which allows for the manual entry of trip details.

4.11.1 Header

At the top of the page, the "Manual Trip Logging" title is displayed in a bold, modern font. This clearly indicates the current screen.

```
+---------------------------------+
| <-  Manual Trip Logging      |
+---------------------------------+
```

4.11.2 Trip Details Section

This section appears first on the page and is designed for the user to input their trip details.

- **Date**

An input field with a modern date picker and a calendar icon. This allows users to select the date of their trip accurately.

- **Mileage**

An input field with a slider for easy mileage selection, allowing values up to 150 miles. A tooltip provides guidance with the text "Enter the distance traveled."

- **Type of Trip**

A dropdown menu with icons for each trip type, including "Social," "Work," and "Errand." This helps categorize the trip for better tracking.

- **Mode of Transport**

A dropdown menu with icons for various transport modes such as "Walk," "Run," "Skate," "Bike," "E-bike," and "Other." If "Other" is selected, an additional textbox appears for the user to specify the mode. This ensures comprehensive coverage of all transport modes.

Action Buttons

- **Log Trip**

A large, green button with a checkmark icon, positioned at the bottom of the form. When clicked, it logs the trip, displays a loading animation, and shows a success message, "Trip logged successfully."

- **Cancel**

A large, red button with a cross icon, also positioned at the bottom of the form. When clicked, it exits the form without saving any data and returns the user to the previous screen.

```
+----------------------------------------------------+
| Date: [Select Date ▢]                              |
| Tooltip: "Select the date of your trip."           |
+----------------------------------------------------+
| Mileage (miles): [Slider 0-150 miles]              |
| Tooltip: "Enter the distance traveled."            |
+----------------------------------------------------+
| Type of Trip: [Select Type ▢]                      |
| Icons: Social ▢, Work ▢, Errand ▢                  |
+----------------------------------------------------+
| Mode of Transport: [Select Mode ▢]                 |
| Icons: Walk ▢, Run ▢, Skate ▢, Bike ▢,             |
| E-bike ▢, Other ▢ [Additional Textbox]             |
+----------------------------------------------------+
```

```
+===================================================+
|       [Log Trip √]              [Cancel ⨉]        |
+===================================================+
```

4.11.3 Trip Summary Section

This section appears after a trip is logged, displaying a summary of the trip details including Date, Mileage, Type of Trip, Mode, CO2 saved and Money saved . Each detail is accompanied by an icon for visual appeal.

4.11.3.1 Congratulatory Message and Graphics

A congratulatory message such as "Great job! You saved [X] CO2 emissions!" is displayed along with celebratory graphics like confetti or a thumbs-up icon to enhance the user's sense of accomplishment.

4.11.3.2 Action Buttons

- **Edit Trip**

A button with a pencil icon, allowing the user to edit trip details. When clicked, the fields in the Trip Details Section become editable. After editing, the user can save the changes, updating the trip summary accordingly.

- **Share Trip**

A button with a share icon, allowing users to share their trip on social media. When clicked, a pre-filled social media post appears, ready for sharing. This encourages social engagement and promotion of eco-friendly commuting. The social media text will be: "♀□♂ Completed an <No of miles> eco-friendly trip using the Sole Power app! □□ Saved [X] lbs of CO2 and enjoyed the great outdoors. □□ Join me in making a difference! Start logging your trips today. □✦✧#SolePower #GreenCommuting [app link]"

- **Log Another Trip**

A button with a plus icon, positioned below the trip summary. When clicked, it returns the user to the Trip Details Section with all fields reset, ready for a new entry.

- **Delete Trip**

A button with a trash icon, allowing the user to delete the trip. When clicked, a confirmation dialog appears with the message, "Are you sure you want to delete this trip? This action cannot be undone." If confirmed, the trip is deleted and the user is returned to the Trip Details Section.

```
+=================================================+
|                  Trip Summary                   |
+=================================================
|  Date: [Display Date] ▯                        |
|  Mileage: [Display Mileage] ▯                  |
|  Type of Trip: [Display Type] ▯                |
|  Mode: [Display Mode] ▯                        |
|  CO2 Saved: [Auto-Calculated] ▯                |
|  Money Saved: [Auto-Calculated] ▯              |
+=================================================+
|  Great job! You saved [X] CO2 emissions! ▯     |
+=================================================+
|  [Edit Trip ▯]    [Share Trip ▯]               |
| [Log Another Trip ✚]    [Delete Trip ▯]        |
+=================================================+
```

4.11.4 Quick Actions Bar

The footer includes a Quick Actions Bar for easy access to common functionalities.

Start New Trip: Button to quickly start a new trip.

Leaderboard: An icon/button for the leaderboard screen.

Achievements: Button to view badges and achievements.

4.11.5 User Flow

Entering the Manual Trip Logging Screen

- User clicks "Log Manual Trip" button.
- Manual Trip Logging screen opens with a header and trip details section.

Logging a Trip

- User fills in the Date, Mileage, Type of Trip, and Mode of Transport fields.
- User clicks "Log Trip."
- User sees the Trip Summary Section below.

Viewing Trip Summary

- Trip Summary section displays the logged trip details.
- Congratulatory message and graphics appear.

Editing a Trip

- User clicks "Edit Trip" button.
- Trip details become editable.
- User makes changes and clicks "Save Changes," updating the trip summary.

Sharing a Trip

- User clicks "Share Trip" button.
- Pre-filled social media post pop-up appears for sharing.

Logging Another Trip

- User clicks "Log Another Trip" button.
- User is returned to the Trip Details Section with fields reset for a new entry.

Deleting a Trip

- User clicks "Delete Trip" button.
- Confirmation pop-up appears.
- If confirmed, the trip is deleted, and the user receives a confirmation message.

4.12 My Trips

The second icon on the bottom tray will be trips icon on the app, when tapped will take the user to the "My Trips" screen, the user also comes to this screen by tapping the "My Trips" button when tapped.

4.12.1 Header

There will be 3 tabs on this screen,

- Trips
- Year trips total
- Challenge totals

By default, the "Trips" tab would be selected when the user visits this screen.

Overall Design Enhancements

Visual Appeal:

- **Color Scheme:** Use vibrant colors and gradients to highlight different tab screen sections
- **Animations:** Add subtle animations for transitions between tabs

4.12.2 Trips tab

4.12.2.1 Header

- **Title**: "Trips" - Clear and prominent title indicating the purpose of the screen.
- **Background**: Gradient background using the primary colors of the Sole Power logo for a visually appealing and consistent look.

Search Bar:

- **Location:** Positioned on the right side of the header.
- **Appearance:** Simple, clean search bar with a magnifying glass icon.
- **Functionality:** Allows users to quickly find trips by date.
    1. **Search:** Trips can be searched for by date and if results are found the table will display those records, if results are not found it should say "No data found" on the table.

2. **Search Results:** Displays the searched user's trips but they will not update the graphs.
3. **Reset Functionality:** Upon finishing the search, the screen resets to 5 most recent trips

```
--------------------------------------------------
|                Trips        Search: [ ] ⌕  [X] |
--------------------------------------------------
```

4.12.2.2 Main Content Area

4.12.2.2.1 Trips Table

Trips will be displayed in a table sorted by "Date" (and time), the user can also edit or delete their trip(s). The last 5 trips and their column values would show and there would be pagination for large datasets.

Table Columns:
- **Date**: Indicates when the trip took place.
- **Mileage**: Shows the distance traveled.
- **Type**: Categorizes the trip (e.g., work, social).
- **Mode**: Specifies the mode of transport (e.g., walking, cycling).
- **Edit/Delete**: Allows users to modify or remove trip entries.

```
-----------------------------------------------------------
| Date       | Mileage  | Type  | Mode | Edit/Delete  |
-----------------------------------------------------------
| 01/01/2024 | 5 miles  | Work  | ▯♂  | ▯ ▯         |
| 02/01/2024 | 3 miles  | Social| ▯♂  | ▯ ▯         |
| ...        | ...      | ...   | ...  | ...          |
-----------------------------------------------------------
```

Visual Appeal:

- Show "Mode" using emoticons □♂walking, □ running, □ bicycling, □ skateboarding
- Alternating row colors for better readability.
- Subtle animations for sorting/filtering.
- Clear, colorful icons for edit (pencil) and delete (trash bin).

4.12.2.2.1.1 Edit Trip log

If the user clicks the pencil icon for a trip they should be able to edit their trip log and see the "Edit Trip log" modal for that entry with the already recorded values pre-filled under each heading and be able to edit their trip details.

Once finished editing there will be a large "Update trip" button at the bottom that would become enabled if changes were made, that when clicked would update the trip's log entry and the user would be notified that it has been edited. There should also be a cancel or back button that when clicked would just exit the screen without making any changes.

Layout:
- Pre-filled values for easy editing.
- **Update Button**: Large, vibrant button enabled only if changes are made.
- **Cancel Button**: Clear and prominent.

```
---------------------------------------------
|                Edit Trip Log              |
---------------------------------------------
| Date: [01/01/2024]                        |
| Mileage: [5 miles]                        |
| Type: [Work]                              |
| Mode: [Cycling]                           |
---------------------------------------------
|                  [Update Trip] [Cancel]   |
---------------------------------------------
```

4.12.2.2.1.2 Delete Trip log

If the user clicks the delete icon they should be asked in a pop-up "Are you sure you want to delete this trip" with a "Yes" or "No" button, if they click "Yes" the trip log entry should be deleted and the user notified that the trip has been deleted, if they select "No", nothing happens and the pop-up goes away.

- **Confirmation Popup**:
    - Vibrant popup with confirmation message.
    - Clear "Yes" and "No" buttons.

```
--------------------------------------------
| Are you sure you want to delete this trip? |
|          [Yes] [No]                        |
--------------------------------------------
```

4.12.2.2.2 Interactive Mileage Graphs

Below the trips table, there will be two interactive mileage graphs. These graphs will display the user's weekly and monthly average mileage. The x-axis will represent the time period (days for weekly and weeks for monthly), and the y-axis will display the average mileage. These graphs will provide users with visual feedback on their commuting habits and progress over time.

4.12.2.2.2.1 Weekly Average Mileage Graph

Design:

- **Type**: Line graph for clear visualization of trends over the week.
- **Colors**: Use the primary colors of the Sole Power logo for consistency and visual appeal.
- **Tooltips**: Provide detailed information about each day's mileage.

```
-----------------------------------------------------------------------
|  Graph 1: Weekly Average Mileage                                    |
-----------------------------------------------------------------------
|        15 miles                                                     |
|                                                                     |
|  10 miles              ____                                         |
|                      /      \                                       |
|  5 miles          /          \         ___                         |
|                 /              \      /     \                       |
|  0 miles   /                    \ /          \                      |
```

```
|                                                                  |
|  --------------------------------------------------------------  |
|   Mon  Tue  Wed  Thu  Fri  Sat  Sun                              |
|                                                                  |
--------------------------------------------------------------------
```
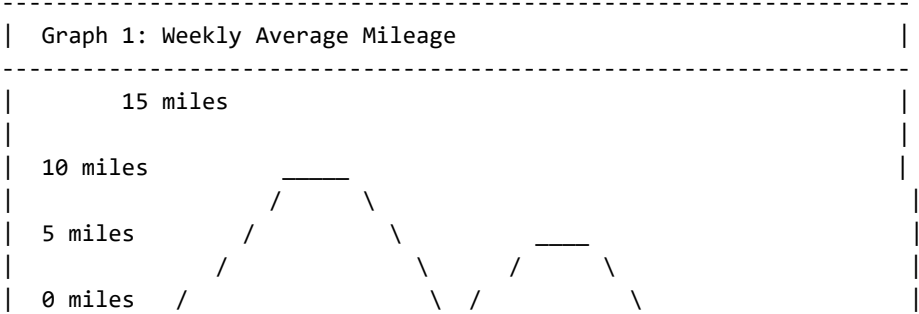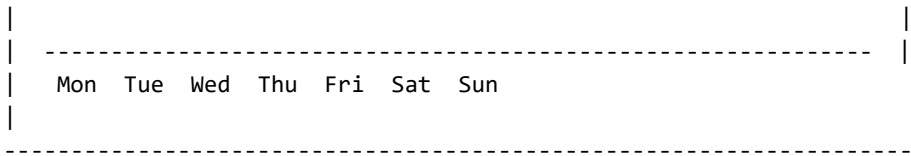
Graph Layout:

- **Y-axis**: Average mileage.
- **X-axis**: Days of the week.
- **Lines**: Smooth, vibrant lines representing daily average mileage.
- **Annotations**: Points on the graph will be annotated with exact values for better insight.

4.12.2.2.2.1 Monthly Average Mileage Graph

Design:

- **Type**: Bar chart for easy comparison across different weeks.
- **Colors**: Different shades of the Sole Power logo colors to indicate varying mileage.
- **Tooltips**: Provide detailed information about the weekly mileage.

```
--------------------------------------------------------------------
| Graph 2: Monthly Average Mileage                                 |
--------------------------------------------------------------------
|        60 miles                                                  |
|                                                                  |
|  45 miles           _____                                       |
|                    |      |     _____                           |
|  30 miles          |      | |        |  _____                   |
|                    |      | |        | |      |                  |
|  15 miles          |_____| |        | |      |                  |
|                       |_____| |_____|                          |
|  --------------------------------------------------------------  |
|  Week 1    Week 2    Week 3    Week 4                             |
--------------------------------------------------------------------
```
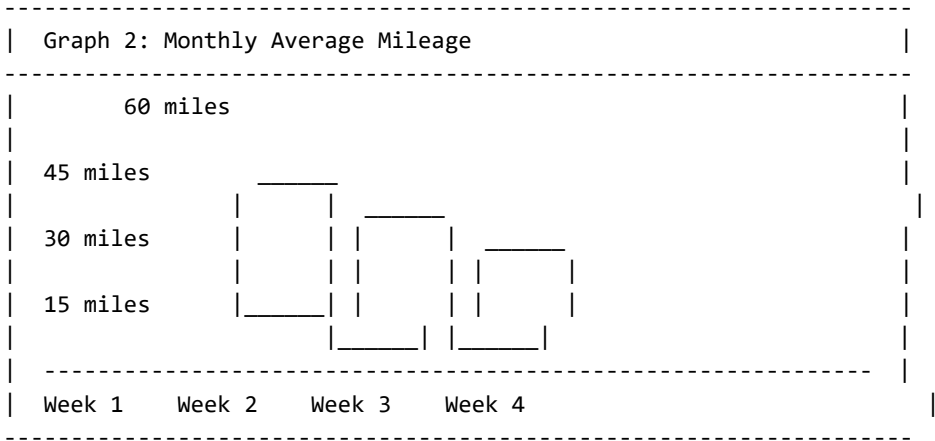
Graph Layout:

- **Y-axis**: Average mileage.
- **X-axis**: Weeks of the month.
- **Bars**: Bold, vibrant bars representing weekly average mileage.
- **Annotations**: Each bar will be annotated with exact values for better comparison.

4.12.2.2.3 Social media sharing

And there will be 3 large buttons or links on this screen below the charts that say "Share results to Facebook (with the Facebook icon)", "Share results to Instagram (with the Instagram icon)" "Share results to X (with the X icon)" with a small "i" icon beside each that when clicked over would say "*Please share your results to social media to help spread the word and save the environment, a picture of your last 10 trips would be shared* ".

| [Share to Facebook] [i] | [Share to Instagram] [i]   [Share to X] [i] |

Facebook sharing

- When the user taps "Share to Facebook" an image of their trips table with their last 5 trips would be generated and added to the Facebook post pop-up window with the image attached with the following text:

□ *Let your sole shine and embrace eco-friendly commuting with Sole Power!* □♂□♀ *I've logged my trips and made a difference.* □ *<Join me> in the #SolePowerChallenge and let's lead the way to a greener future!* □ *#GoGreen #EcoFriendly #Sustainability*

- And there would be a cancel button where the user can cancel the sharing of the post.

Instagram sharing

- When user clicks "Share to Instagram" an image of the table with their last 5 trips would be generated and added to the Twitter post pop-up window with their Twitter post box and image attached with the following text:

▯ Let your sole shine and embrace eco-friendly commuting with Sole Power! ▯♂▯♀ I've logged my trips and made a difference. ▯ <Join me> in the #SolePowerChallenge and let's lead the way to a greener future! ▯ #GoGreen #EcoFriendly #Sustainability

- And there would be a cancel button where user can cancel the sharing of the post.

X sharing

- When user clicks "Share to X" an image of the table with their last 5 trips would be generated and added to the Twitter post pop-up window with their Twitter post box and image attached with the following text:

▯ Let your sole shine and embrace eco-friendly commuting with Sole Power! ▯♂▯♀ I've logged my trips and made a difference. ▯ <Join me> in the #SolePowerChallenge and let's lead the way to a greener future! ▯ #GoGreen #EcoFriendly #Sustainability

- And there would be a cancel button where user can cancel the sharing of the post.

4.12.3 Year Trip Totals

There would be another tab on top called "Year Trip Totals" which when selected would show the "Year trips total", this is where the user's total values so far for the selected year would be displayed as counters.

4.12.3.1 Header

Title:

- **Text:** "Year Trip Totals"
- **Style:** Bold, large font with a fun, eco-friendly icon (e.g., a leaf or globe) next to it.

Background:

- **Gradient:** A subtle gradient background with shades of green and blue to evoke an eco-friendly feel.

Layout

| Year Trip Totals |

Year Selection:

- **Dropdown:** The default selected year would be the current year and the user can choose a different year from the dropdown on top (going back to the year they were first registered). If the user selects a previous or different year, the data for that year would populate the counters.

Layout

| Year: [Dropdown Menu: 2024 ▼] |

4.12.3.2 Main Content Area

Fun Counters:

- **Number of trips:** shows the total number of trips since for the selected year.
- **Milage (Miles):** shows the total milage so far for the selected year.
- **Gas saved (Gallons**): shows the total gas saved for the selected year.
- **CO2 reduced (Lbs.):** shows the co2 reduced for the selected year.
- **Money saved ($):** shows the money saved for the selected year.

Design:

- **Animated Counters:** Use smooth, animated counters that increase dynamically when the screen loads.
- **Icons:** Fun, vibrant icons for each metric (e.g., a bicycle for Number of Trips, a gas pump for Gas Saved).
- **Dynamic Visual Effects:** Include slight animations or movements, like a bouncing effect when the counters reach their total.
- **Colors:** Use a consistent color scheme for each metric to ensure clarity and aesthetic appeal.

Metrics Infographics:

1. **Number of Trips**
   - **Icon:** □♂
   - **Design:** Circular layout with the counter in the center.
   - **Counter:** Animated circular counter around the icon.
   - **Color:** Light blue
   - **Text:** "Number of Trips: [Counter]"

```
-------------------------------------
| □♂                    |
|                       |
|      Number of Trips          |
|      [Animated Circular Counter]  |
-------------------------------------
```

2. **Mileage**
   - **Icon:** □
   - **Design:** Vertical layout with the counter above the icon.
   - **Counter:** Animated vertical counter.
   - **Color:** Sky blue
   - **Text:** "Mileage: [Counter] Miles"

```
| □                |

|                     |

|    Mileage          |

|     [Vertical Counter]    |

------------------------------------
```

3. **Gas Saved**
    - **Icon:** ⛽
    - **Design:** Horizontal layout with the counter to the right of the icon.
    - **Counter:** Animated horizontal counter.
    - **Color:** Green
    - **Text:** "Gas Saved: [Counter] Gallons"

```
------------------------------------
| ⛽ Gas Saved   [Horizontal Counter] |
------------------------------------
```

4. **CO2 Reduced**
    - **Icon:** □
    - **Design:** Tree layout with the counter in the leaves.
    - **Counter:** Animated counter in the leaves.
    - **Color:** Orange
    - **Text:** "CO2 Reduced: [Counter] Lbs"

```
------------------------------------
| □                |
|                  |
|    CO2 Reduced          |
|    [Leaves Counter]        |
------------------------------------
```

5. **Money Saved**
    - **Icon:** □
    - **Design:** Piggy bank layout with the counter inside.
    - **Counter:** Animated counter as coins filling up the piggy bank.
    - **Color:** Gold
    - **Text:** "Money Saved: [Counter] $

```
------------------------------------
| □                      |
|                        |
|     Money Saved        |
|     [Coins Counter]    |
------------------------------------
```

Visualization:

- **Infographics:** Display the metrics as engaging infographics.

4.12.3.2.1 Share

Social Media Buttons:

- **Location:** Positioned at the bottom of the screen for easy access.
- **Design:** Large, attractive buttons with social media icons (Facebook, X, Instagram).
- **Info Tooltip:** A small "i" icon beside each share button that, when tapped says: "Please share these numbers to social media to help spread the word and cultivate a healthier community, a picture of these numbers would be shared."

Generated Post:

- **Image Generation:** Automatically generate an image of the totals as an infographic image
- **Preview:** Provide a preview of the generated image before sharing.

Facebook Sharing:

- When the user clicks "Share to Facebook," an image of the totals so far counters is generated and added to the Facebook post pop-up window with the image attached and the following text:

☐ *Explore my eco-friendly journey with Sole Power! In <Year>, I've clocked [Number of trips] trips, cruised [Mileage (Miles)] miles, saved [Gas saved (Gallons)] gallons of gas, slashed [CO2 reduced (Lbs.)] lbs of CO2, and pocketed $[Money saved ($)]! ☐ Join me and let's amplify our impact on our community. ☐☐ #SolePower #BurnFatNotOil*

- There would be a cancel button where the user can cancel the sharing of the post.

Twitter Sharing:

- When the user clicks "Share to X," an image of the totals so far counters is generated and added to the Twitter post pop-up window with their Twitter post box and image attached with the following text:

☐ *Excited to share my eco-journey with Sole Power in <Year>! ☐ Logged [Number of trips] trips, traveled [Milage (Miles)] miles, saved [Gas saved (Gallons)] gallons of gas, and cut [CO2 reduced (Lbs.)] lbs of CO2 emissions. Plus, saved $[Money saved ($)]! ☐☐ <Join me> in the #SolePower movement for a greener future! ☐ #EcoFriendly #BurnFatNotOil*

- There would be a cancel button where the user can cancel the sharing of the post.

Instagram Sharing:

- When the user clicks "Share results to Instagram," an image of the totals so far counters is generated and added to the Instagram post pop-up window with the image attached and the same text as the Twitter post:

□ Excited to share my eco-journey with Sole Power in <Year>! □ Logged [Number of trips] trips, traveled [Milage (Miles)] miles, saved [Gas saved (Gallons)] gallons of gas, and cut [CO2 reduced (Lbs.)] lbs of CO2 emissions. Plus, saved $[Money saved ($)]! □□ <Join me> in the #SolePower movement for a greener future! □ #EcoFriendly #BurnFatNotOil

- There would be a cancel button where the user can cancel the sharing of the post.

Layout

| Share |

| [Facebook Icon] Share to Facebook (i) |

| [X Icon] Share to X (i) |

| [Instagram Icon] Share to Instagram (i)|

Year Trip Totals Layout:

| Year Trip Totals |

| Year: [Dropdown Menu: 2024 ▼] |

| □♂ |

| |

| Number of Trips |

```
|     [Animated Circular Counter]  |

------------------------------------


------------------------------------

| □                      |

|                        |

|     Mileage            |

|     [Vertical Counter]      |

------------------------------------


------------------------------------

| ⛽ Gas Saved   [Horizontal Counter] |

------------------------------------


------------------------------------

| □                      |

|                        |

|     CO2 Reduced          |

|     [Leaves Counter]        |

------------------------------------


------------------------------------

| □                      |
```

```
|                        |

|      Money Saved         |

|       [Coins Counter]       |

------------------------------------


------------------------------------

|              Share            |

------------------------------------

| [Facebook Icon] Share to Facebook (i) |

| [X Icon] Share to X  (i)          |

| [Instagram Icon] Share to Instagram (i)|

------------------------------------
```

4.12.4 Challenge Totals

The last tab would be the "Challenge totals" tab which would show the totals since the seasonal challenge began for the selected year, this date range for the challenge would be set by an admin on the admin web panel and would generally be from Memorial Day to Columbus Day. Which when selected would show the "Challenge Totals" values for between those dates for the selected year. The default selected year would be the current year and the user can choose a different year from the dropdown.

4.12.4.1 Header

Title:

- **Text:** "Challenge Trip Totals"
- **Style:** Bold, large font with a fun, eco-friendly icon (e.g., a leaf or globe) next to it.

Background:

- **Gradient:** A subtle gradient background with shades of green and blue to evoke an eco-friendly feel.

Layout

| Challenge Trip Totals |

Year Selection:

- **Dropdown:** The default selected year would be the current year and the user can choose a different year from the dropdown on top (going back to the year they were first registered). If the user selects a previous or different year, the data for that year from the start of the challenge date to the end of the challenge date would populate the counters.

Layout

| Year: [Dropdown Menu: 2024 ▼] |

4.12.4.2 Main Content Area

Fun Counters:

- **Number of trips:** shows the total number of trips for the challenge in the selected year.
- **Milage (Miles):** shows the total milage for the challenge in the selected year.
- **Gas saved (Gallons**): shows the total gas saved for the challenge in the selected year.
- **CO2 reduced (Lbs.):** shows the co2 reduced in the challenge in the selected year.

- **Money saved ($):** shows the money saved in the challenge in the selected year.

Design:

- **Animated Counters:** Use smooth, animated counters that increase dynamically when the screen loads.
- **Icons:** Fun, vibrant icons for each metric (e.g., a bicycle for Number of Trips, a gas pump for Gas Saved).
- **Dynamic Visual Effects:** Include slight animations or movements, like a bouncing effect when the counters reach their total.
- **Colors:** Use a consistent color scheme for each metric to ensure clarity and aesthetic appeal.

Metrics Infographics:

1. **Number of Trips**
   - **Icon:** □♂
   - **Design:** Circular layout with the counter in the center.
   - **Counter:** Animated circular counter around the icon.
   - **Color:** Light blue
   - **Text:** "Number of Trips: [Counter]"

```
-------------------------------------
| □♂                      |
|                         |
|     Number of Trips         |
|     [Animated Circular Counter]  |
-------------------------------------
```

2. **Mileage**
   - **Icon:** □
   - **Design:** Vertical layout with the counter above the icon.
   - **Counter:** Animated vertical counter.
   - **Color:** Sky blue
   - **Text:** "Mileage: [Counter] Miles"

```
------------------------------------
|  ☐                      |
|                         |
|     Mileage             |
|     [Vertical Counter]      |
------------------------------------
```

3. **Gas Saved**
   - **Icon:** ⛽
   - **Design:** Horizontal layout with the counter to the right of the icon.
   - **Counter:** Animated horizontal counter.
   - **Color:** Green
   - **Text:** "Gas Saved: [Counter] Gallons"

```
------------------------------------
| ⛽ Gas Saved   [Horizontal Counter] |
------------------------------------
```

4. **CO2 Reduced**
   - **Icon:** ☐
   - **Design:** Tree layout with the counter in the leaves.
   - **Counter:** Animated counter in the leaves.
   - **Color:** Orange
   - **Text:** "CO2 Reduced: [Counter] Lbs"

```
------------------------------------
```

```
|                      |
|                      |
|    CO2 Reduced       |
|    [Leaves Counter]  |
------------------------------------
```

5. **Money Saved**
    - **Icon:**
    - **Design:** Piggy bank layout with the counter inside.
    - **Counter:** Animated counter as coins filling up the piggy bank.
    - **Color:** Gold
    - **Text:** "Money Saved: [Counter] $

```
------------------------------------
|                      |
|                      |
|    Money Saved       |
|    [Coins Counter]   |
------------------------------------
```

Visualization:

- **Infographics:** Display the metrics as engaging infographics.

4.12.4.2.1 Share

Social Media Buttons:

- **Location:** Positioned at the bottom of the screen for easy access.
- **Design:** Large, attractive buttons with social media icons (Facebook, X, Instagram).
- **Info Tooltip:** A small "i" icon beside each share button that, when clicked, says: "Please share these numbers to social media to help spread the word and cultivate a healthier community, a picture of these numbers would be shared."

Generated Post:

- **Image Generation:** Automatically generate an image of the totals as an infographic image
- **Preview:** Provide a preview of the generated image before sharing.

Facebook Sharing:

- When the user clicks "Share to Facebook," an image of the totals so far counters is generated and added to the Facebook post pop-up window with the image attached and the following text:

□□♂□♀□ *Excited about my #SolePower Green Commuting Challenge results! This season, I've achieved [Number of trips] trips, covered [Milage (Miles)] miles, saved [Gas saved (Gallons)] gallons of gas, reduced [CO2 reduced (Lbs.)] lbs of CO2, and saved $[Money saved ($)]. Join <Sole Power> to see if you can beat me, save money, and protect our planet! □□ #EcoWarrior #GreenChallenge #GoGreen*

- There would be a cancel button where the user can cancel the sharing of the post.

Twitter Sharing:

- When the user clicks "Share to X," an image of the totals so far counters is generated and added to the Twitter post pop-up window with their Twitter post box and image attached with the following text:

□□♂□♀□ *Proud of my #SolePower Challenge results! [Number of trips] trips, [Milage (Miles)] miles, [Gas saved (Gallons)] gallons saved, [CO2 reduced (Lbs.)] lbs CO2 reduced, $[Money saved ($)] saved! Join us & save the planet! □□ #EcoWarrior #GreenChallenge #GoGreen*

- There would be a cancel button where the user can cancel the sharing of the post.

Instagram Sharing:

- When the user clicks "Share results to Instagram," an image of the totals so far counters is generated and added to the Instagram post pop-up window with the image attached and the same text as the Twitter post:

☐☐♂☐♀☐ *Proud of my #SolePower Challenge results! [Number of trips] trips, [Milage (Miles)] miles, [Gas saved (Gallons)] gallons saved, [CO2 reduced (Lbs.)] lbs CO2 reduced, $[Money saved ($)] saved! Join us & save the planet! ☐☐ #EcoWarrior #GreenChallenge #GoGreen*

- There would be a cancel button where the user can cancel the sharing of the post.

Layout

| Share |

| [Facebook Icon] Share to Facebook (i) |

| [X Icon] Share to X (i) |

| [Instagram Icon] Share to Instagram (i)|

Challenge Totals Tab Layout:

| Challenge Totals |

| Year: [Dropdown Menu: 2024 ▼] |

| ☐♂ |

| |

| Number of Trips |

| [Animated Circular Counter] |

| ☐ |

| |

| Mileage |

| [Vertical Counter] |

| 🛢️ Gas Saved   [Horizontal Counter] |

| ☐ |

```
|                        |

|      CO2 Reduced           |

|      [Leaves Counter]        |

-------------------------------------


-------------------------------------

| ☐                      |

|                        |

|      Money Saved           |

|      [Coins Counter]         |

-------------------------------------

|              Share              |

-------------------------------------

| [Facebook Icon] Share to Facebook (i) |

| [X Icon] Share to X  (i)            |

| [Instagram Icon] Share to Instagram (i)|

-------------------------------------
```

4.13 Leaderboard

This would be third icon on the bottom tray of the app where this screen is accessible from, (along with the "Leaderboard" button).

4.13.1 Header

There will be 3 tabs on this screen,

- Individual leaderboard
- Team leaderboard
- Totals so far

By default, the "Individual Leaderboard" tab would be selected when the user visits this screen.

Overall Design Enhancements

Visual Appeal:

- **Color Scheme:** Use vibrant colors and gradients to highlight different leaderboard tab screen sections
- **Animations:** Add subtle animations for transitions between tabs

4.13.2 Indvidual leaderboard

4.13.2.1 Header

To the right, a search bar allows users to quickly find users by name, display name, or email. When the user is found their leaderboard position on the leaderboard table and position on the interactive charts would show on the screen below, remove the user would reset the screen back to the top leaderboard users.

Search Bar:

- **Location:** Positioned on the right side of the header.
- **Appearance:** Simple, clean search bar with a magnifying glass icon.
- **Functionality:** Allows users to quickly find users by name, display name or email.
    1. **Search Results:** Displays the searched user's leaderboard data and updates interactive charts just for that user.
    2. **Reset Functionality:** Upon finishing the search, the screen resets to show the top leaderboard users.

4.13.2 Main Content Area

4.13.2.1 Leaderboard table

This is where all the individuals who have registered (whether they are part of a team or not) will be displayed in a table sorted by "Total Mileage" (highest to lowest).

The columns of the table will be:

- Position (number)

- Display name with avatar or Profile picture
- Badge (Miles badge)
- Team (team name or "Individual")
- Number of trips
- Total Milage (Miles)

The top 5 individuals and their column values would show and there would be pagination for large datasets. Clicking on a display name will lead to that user's profile page.

There should be progress bars in each user row on the table (under the values) to indicate their progress towards the next milestone and the next milestone number (for e.g. 100 miles) should be at the end of the progress bar.

Leaderboard table

```
-------------------------------------------------------

| # | Avatar | Name   | Badge  | Team   | Trips |

|------------------------------------------------------|

| 1   | [Img]  | Alice  |  [B1]  | Team A | 120   | |

| Progress Bar: [=====    ] 100 Miles           |

|------------------------------------------------------|

| 2   | [Img]  | Bob    | [B2]   | Team B | 110    |

| Progress Bar: [=====    ] 100 Miles           |

|------------------------------------------------------|

| 3   | [Img]  | Carol  | [B3]   | Individual | 105|

| Progress Bar: [=====    ] 100 Miles          |

|------------------------------------------------------|
```

User Interaction:

- **Tooltips:** Use tooltips on leaderboard avatars/profile pictures to provide additional information, like user ranking
- **User profile:** Clicking on a user will take them to the user's profile page

4.13.2.2 Interactive Column Charts

Below the leaderboard table, there will be two interactive column charts. The y-axis will feature user's display name and their avatars or profile pictures, and the x-axis will display the value of the metrics. The selected 5 users from the leaderboard table will be shown here. The chart would update as the user moves forward or backward on the leaderboard tables pagination.

- **Chart Layout:**
    - **Y-axis:** List of users with their avatars.
    - **X-axis:** Values representing the metric being displayed.

Chart 1: Total Gas Saved (Gallons)

- **Design:**
    - **Bars:** Vibrant colors representing different users.
    - **Tooltips:** Detailed information about gas saved for each user. Such as "This year this <display name> has save this much <value> gas

```
-------------------------------------------------------------------
| Chart 1: Total Gas Saved (Gallons)              |
-------------------------------------------------------------------
| [Avatar] Alice  | ==================== 12 gal        |
| [Avatar] Bob    | =================== 12 gal         |
| [Avatar] Carol  | ================ 10.4 gal          |
-------------------------------------------------------------------
```

Chart 2: Total Carbon Dioxide Reduced (Lbs.)

- **Design:**
    - **Bars:** Different shades of green to indicate eco-friendliness.
    - **Tooltips:** Detailed information about CO_2 reduced for each user. Such as "This year this <display name> has reduced this much <value> CO2
    -

```
-------------------------------------------------------------
| Chart 2: Total Carbon Dioxide Reduced (Lbs.)        |
-------------------------------------------------------------
| [Avatar] Alice  | ==================== 3000 lbs   |
| [Avatar] Bob    | =================== 2700 lbs    |
| [Avatar] Carol  | ================ 2400 lbs       |
-------------------------------------------------------------
```

4.13.2.3 Social media sharing

And there will be 3 large buttons or links on this screen below the charts that say "Share results to Facebook (with the Facebook icon)", "Share results to Instagram (with the Instagram icon)" "Share results to X (with the X icon)" with a small "i" icon beside each that when tapped over would say *"Please share your results to social media to help spread the word and cultivate a healthier community, a picture of the selected individuals on the leaderboard would be shared"*.

```
---------------------------------------------------------------------------------------------------
| [Share to Facebook] [i]    | [Share to Instagram] [i]     [Share to X] [i] |
---------------------------------------------------------------------------------------------------
```

Facebook sharing

- When the user taps "Share to Facebook" an image of the leaderboard table with the individuals selected on screen would be generated and added to the Facebook post with the following text:

□□♂□♀□ *Check out these eco-warriors on the Sole Power leaderboard! We're making a huge impact: saving gas, reducing greenhouse gas emissions, and saving money. Join us on Sole Power to track your eco-friendly trips and compete to be a top saver! □□ Let's make every mile count for the planet. Download the app and start your journey today! #EcoWarrior #GreenChallenge #GoGreen*

- And there would be a cancel button where the user can cancel the sharing of the post.

Instagram sharing

- When the user taps "Share to Instagram", an image of the leaderboard would be generated and added to the Twitter post with the following text:

□□♂□♀□ *See these eco-warriors on the Sole Power leaderboard! We're saving gas, reducing pollution, and saving money. Join us on Sole Power <here>, track your eco-friendly trips, and compete to be a top saver!* □□ *#EcoWarrior #GreenChallenge #GoGreen*

X sharing

- When the user clicks "Share to X", an image of the leaderboard would be generated and added to the Twitter post with the following text:

□□♂□♀□ *See these eco-warriors on the Sole Power leaderboard! We're saving gas, reducing pollution, and saving money. Join us on Sole Power <here>, track your eco-friendly trips, and compete to be a top saver!* □□ *#EcoWarrior #GreenChallenge #GoGreen.*

- And there would be a cancel button where user can cancel the sharing of the post.

4.13.3 Team leaderboard

4.13.3.1 Header

To the right, a search bar allows users to quickly find teams by name. When the team is found their leaderboard data on the leaderboard table would display and data on interactive charts would show on the screen below, finishing the search would reset the screen back to the top leaderboard teams.

Search Bar:

- **Location:** Positioned on the right side of the header.
- **Appearance:** Simple, clean search bar with a magnifying glass icon.
- **Functionality:** Allows users to quickly find teams by name.
    1. **Search Results:** Displays the searched team's leaderboard data and updates interactive charts.
    2. **Reset Functionality:** Upon finishing the search, the screen resets to show the top leaderboard teams.

4.13.3.2 Main Content Area

4.13.3.2.1 Leaderboard table

This table displays the top teams sorted by "Total Mileage" (highest to lowest). The layout is visually appealing, with key metrics. To add color and graphics, we'll use vibrant team colors, avatars for the highest miles member, and enhanced visual elements.

Table Columns

- **Team Rank:** Numerical rank of the team.
- **Team Name:** Name of the team.
- **Number of Members:** Total members in the team.
- **Total Mileage (Miles):** Total miles covered by the team.
- **Top Member:** Display the highest miles member with their display name and avatar.

The top 5 teams and their column values would show and there would be pagination for large datasets.

Leaderboard Table Layout

```
---------------------------------------------------------------
| Rank  | Team Name    | Members | Mileage | Top Member   |
|-------------------------------------------------------------|
| 1     | Team Green   | 10      | 1500    | [Avatar] Alex |
|-------------------------------------------------------------|
| 2     | Eco Warriors | 8       | 1400    | [Avatar] Jamie|
|-------------------------------------------------------------|
| 3     | Planet Savers | 12     | 1300    | [Avatar] Sam  |
---------------------------------------------------------------
```

User Interaction

- **Tooltips:** Use tooltips to provide additional information about each team when tapped.
- **Tap:** Tapping on the "Top Members" name will lead to that user's profile page.

4.13.3.2.2 Interactive Column Charts

Below the leaderboard table, there will be two interactive column charts. The y-axis will feature the team's display name, and the x-axis will display the value of the metrics. The selected 5 users from the leaderboard table will be shown here. The chart would update as the user moves forward or backward on the leaderboard tables pagination. .

Chart Layout:

- **Y-axis:** List of top teams.
- **X-axis:** Values representing the metric being displayed.

Chart 1: Total Gas Saved (Gallons)

- **Design:**
    - **Bars:** Vibrant colors representing different teams.
    - **Effects:** Display exact values when tapped.
    - **Tooltips:** Detailed information about gas saved for each user.

Chart 1: Total Gas Saved (Gallons)

```
---------------------------------------------------------------
|   Total Gas Saved (Gallons)                                 |
---------------------------------------------------------------
|  Team Green    | ==================== 500 gal              |
|  Eco Warriors  | ================== 450 gal                |
|  Planet Savers | =============== 400 gal                   |
---------------------------------------------------------------
```

Chart 2: Total Carbon Dioxide Reduced (Lbs.)

- **Design:**
  - o **Bars:** Vibrant colors representing different teams.
  - o **Effects:** Display exact values when tapped.
  - o **Tooltips:** Detailed information about CO2 reduced for each user.

Chart 2: Total CO2 Reduced (Lbs.)

```
-----------------------------------------------------------
|  Total CO2 Reduced (Lbs.)                               |
-----------------------------------------------------------
|  Team Green    | ==================== 2000 lbs          |
|  Eco Warriors  | ================== 1800 lbs            |
|  Planet Savers | ================ 1600 lbs              |
-----------------------------------------------------------
```

4.13.3.2.3 Social media sharing

And there will be 3 large buttons or links on this screen below the charts that say "Share results to Facebook (with the Facebook icon)", "Share results to Instagram (with the Instagram icon)" "Share results to X (with the X icon)" with a small "i" icon beside each that when tapped would say:

 "Please share your results to social media to help spread the word and cultivate a healthier community, a picture of the selected individuals on the leaderboard would be shared ".

```
----------------------------------------------------------------------------------------------------

| [Share to Facebook] [i]    | [Share to Instagram] [i]    [Share  to X] [i] |

----------------------------------------------------------------------------------------------------
```

Facebook sharing

- When the user taps "Share to Facebook" an image of the leaderboard table with the individuals selected on screen would be generated and added to the Facebook post with the following text:

□□♂□♀□ *Check out the top Sole Power teams on the leaderboard! Together, we're making a huge impact: saving gas, reducing pollution, and protecting our planet. Join a team on Sole Power, track your human powered trips, and compete to be a top saver!*

□□ *Every mile makes a difference. Download the app and start your journey today! #TeamEcoWarrior #GreenChallenge #SolePower*

- And there would be a cancel button where the user can cancel the sharing of the post.

Instagram sharing

- When the user taps "Share to Instagram", an image of the leaderboard would be generated and added to the Twitter post with the following text:

□□♂□♀□ *Check out the top Sole Power teams on the leaderboard! We're saving gas, reducing pollution and protecting our planet. Join a team on Sole Power and compete to be a top saver!* □□ *#TeamEcoWarrior #GreenChallenge #SolePower*

- And there would be a cancel button where the user can cancel the sharing of the post.

X sharing

- When the user taps "Share to X", an image of the leaderboard would be generated and added to the Twitter post with the following text:

□□♂□♀□ *Check out the top Sole Power teams on the leaderboard! We're saving gas, reducing pollution and protecting our planet. Join a team on Sole Power and compete to be a top saver!* □□ *#TeamEcoWarrior #GreenChallenge #SolePower*

- And there would be a cancel button where user can cancel the sharing of the post.

4.13.4 Totals so far

There would be another tab on top called "Total so far" which when selected would show the grand totals so far recorded over the lifetime of Sole Power, and the total values so far would be displayed as Info graphs under the below headings:

4.13.4.1 Header

Title:

- **Text:** "Totals So Far"
- **Style:** Bold, large font with a fun, eco-friendly icon (e.g., a leaf or globe) next to it.

Background:

- **Gradient:** A subtle gradient background with shades of green and blue to evoke an eco-friendly feel.

```
-------------------------------------
|        Totals So Far        |
-------------------------------------
```

4.13.4.2 Main Content Area

Fun Counters:

- **Number of trips:** shows the total number of trips since the lifetime of the program.
- **Milage (Miles):** shows the total milage so far since the lifetime of the program.
- **Gas saved (Gallons**): shows the total gas saved for the lifetime of the program
- **CO2 reduced (Lbs.):** shows the co2 reduced since the lifetime of the program
- **Money saved ($):** shows the money saved since the lifetime of the program

Design:

- **Animated Counters:** Use smooth, animated counters that increase dynamically when the screen loads.
- **Icons:** Fun, vibrant icons for each metric (e.g., a bicycle for Number of Trips, a gas pump for Gas Saved).
- **Dynamic Visual Effects:** Include slight animations or movements, like a bouncing effect when the counters reach their total.
- **Colors:** Use a consistent color scheme for each metric to ensure clarity and aesthetic appeal.

Metrics Infographics:

1. **Number of Trips**
   - **Icon:** □♂
   - **Design:** Circular layout with the counter in the center.
   - **Counter:** Animated circular counter around the icon.
   - **Color:** Light blue
   - **Text:** "Number of Trips: [Counter]"

```
-------------------------------------
| □♂                    |
|                       |
|     Number of Trips         |
|     [Animated Circular Counter]  |
-------------------------------------
```

2. **Mileage**
   - **Icon:** □
   - **Design:** Vertical layout with the counter above the icon.
   - **Counter:** Animated vertical counter.
   - **Color:** Sky blue
   - **Text:** "Mileage: [Counter] Miles"

```
------------------------------------
| □                      |

|                        |

|     Mileage            |

|     [Vertical Counter]       |

------------------------------------
```

3. **Gas Saved**
    - **Icon:** ⛽
    - **Design:** Horizontal layout with the counter to the right of the icon.
    - **Counter:** Animated horizontal counter.
    - **Color:** Green
    - **Text:** "Gas Saved: [Counter] Gallons"

```
------------------------------------
| ⛽ Gas Saved   [Horizontal Counter] |
------------------------------------
```

4. **CO2 Reduced**
    - **Icon:** □
    - **Design:** Tree layout with the counter in the leaves.
    - **Counter:** Animated counter in the leaves.
    - **Color:** Orange
    - **Text:** "CO2 Reduced: [Counter] Lbs"

```
------------------------------------
| □                  |
|                    |
|    CO2 Reduced          |
```

```
|      [Leaves Counter]        |
------------------------------------
```

5. **Money Saved**
   - **Icon:** □
   - **Design:** Piggy bank layout with the counter inside.
   - **Counter:** Animated counter as coins filling up the piggy bank.
   - **Color:** Gold
   - **Text:** "Money Saved: [Counter] $

```
------------------------------------
| □                       |
|                         |
|      Money Saved         |
|      [Coins Counter]       |
------------------------------------
```

Layout:

```
------------------------------------
|        Totals So Far        |
------------------------------------
```

```
------------------------------------
| □♂                      |
|                         |
|      Number of Trips         |
|    [Animated Circular Counter]  |
------------------------------------
```

```
------------------------------------
|  □                    |
|                       |
|      Mileage          |
|      [Vertical Counter]    |
------------------------------------


------------------------------------
| ⛽ Gas Saved   [Horizontal Counter] |
------------------------------------


------------------------------------
|  □                    |
|                       |
|      CO2 Reduced         |
|      [Leaves Counter]        |
------------------------------------


------------------------------------
|  □                    |
|                       |
|      Money Saved          |
```

```
|       [Coins Counter]            |

-----------------------------------


-----------------------------------

|                Share                |

-----------------------------------

| [Facebook Icon] Share to Facebook (i) |

| [X Icon] Share to X  (i)            |

| [Instagram Icon] Share to Instagram (i)|

-----------------------------------
```

Visualization:

- **Infographics:** Display the metrics as engaging infographics.

4.13.4.2.1 Share

Social Media Buttons:

- **Location:** Positioned at the bottom of the screen for easy access.
- **Design:** Large, attractive buttons with social media icons (Facebook, X, Instagram).
- **Effects:** Buttons change color or slightly enlarge when r.
- **Info Tooltip:** A small "i" icon beside each share button that, when clicked, says: "Please share these numbers to social media to help spread the word and cultivate a healthier community, a picture of these numbers would be shared."

Generated Post:

- **Image Generation:** Automatically generate an image of the totals with fun graphics and vibrant colors.
- **Preview:** Provide a preview of the generated image before sharing.

Facebook Sharing:

- When the user taps "Share to Facebook," an image of the totals so far counters is generated and added to the Facebook post pop-up window with the image attached and the following text:

□□♂□ *Together, we've made a huge impact with Sole Power! Our community has tracked thousands of trips, saving gallons of gas, reducing tons of CO2 pollution, and saving lots of money. Check out the amazing totals we've achieved! Join the Sole Power Challenge today and be part of the movement that's making a difference for our planet. Let's keep the momentum going and inspire more climate action!* □□ *#SolePower #GreenCommute #EcoWarrior*

- There would be a cancel button where the user can cancel the sharing of the post.

Twitter Sharing:

- When the user taps "Share to X," an image of the totals so far counters is generated and added to the Twitter post pop-up window with their Twitter post box and image attached with the following text:

□□♂□ *Together with Sole Power, we've saved gas, cut CO2, and saved money by tracking thousands of trips! Check out our impressive totals! Join the Green Commuting Challenge and help us make a bigger impact. Be a Sole Power Hero today!* □□ *#SolePower #GreenCommute #EcoWarrior*

- There would be a cancel button where the user can cancel the sharing of the post.

Instagram Sharing:

- When the user taps "Share to Instagram," an image of the totals so far counters is generated and added to the Instagram post pop-up window with the image attached and the same text as the Twitter post:

🚶‍♂️ *Together with Sole Power, we've saved gas, cut CO2, and saved money by tracking thousands of trips! Check out our impressive totals! Join the Green Commuting Challenge and help us make a bigger impact. Be a Sole Power Hero today!* 💪
#SolePower #GreenCommute #EcoWarrior

- There would be a cancel button where the user can cancel the sharing of the post.

4.14 Community Feed

This would be the fourth icon on the bottom tray, the screen would be called "Community Feed". This screen would function like a Facebook wall and allow users to

view and interact with posts shared by them, admins and other members of the community. The screen would display a feed of posts, their likes, and their comments. Users can create new posts using a prominent button on the screen.

4.14.1 Header

- **Title:** "Community Feed" – Centered at the top.
- **Back link:** On the left side, allowing users to navigate back to the previous screen.

```
+---------------------------------------------------+
|  <                Community Feed                   |
+---------------------------------------------------+
```

4.14.2 Main Content Area

There would be a "Feed" section displaying all the user posts and admin posts. The user can see their own posts, all other user posts and admin posts. The posts would contain profile pictures, usernames, timestamps, content, and engagement icons.

4.14.3 Admin Posts:

- **Admin Badge:** A distinct badge or icon next to the profile picture indicating an official admin post.
- **Profile Picture:** Circular image on the left side with a highlighted border to signify an admin.
- **Background Color:** A subtle background color difference to visually separate admin posts.
- **Admin Name:** Displayed in a different color (e.g., blue) to stand out.
- **Timestamp:** Below the admin name, indicating when the post was made.
- **Post Content:** Can include text, photos, links, and tagged users. Text will wrap and adjust based on content length.
- **Tagged Users:** Shown as links within the post content.
- **Engagement Icons:** Like and comment icons below each post.
    - **Tag:** The user can tag another user using the @ symbol
    - **Comment**: In the comment section the user can comment on their own post

- **Tag:** The user can tag another user using the @ symbol in the comments

```
+------------------------------------------------------------+
|[Admin badge][Admin Profile Picture][User Name][Timestamp]
|
|------------------------------------------------------------|
| [Post Content (Text/Photo)]                               |
|------------------------------------------------------------|
| @TaggedUser                                               |
|------------------------------------------------------------|
| [ Like (icon) | Comment (icon) |                          |
+------------------------------------------------------------+
```

4.14.3 User's Posts :
- **Profile Picture:** Circular images on the left side of each post for quick user identification.
- **User Name:** Displayed next to the profile picture.
- **Timestamp:** Below the user name, indicating when the post was made.
- **Post Content:** Can include text, photos, links and tagged users. Text will wrap and adjust based on content length.
- **Tagged Users:** Will be shown as links and will receive a notification that they were tagged.
- **Engagement Icons:** Like and comment icons below each post. Icons should be clear, easily tappable, and responsive.
  - **Like:** The user can like posts by clicking on the like icon.
  - **Comment:** In the comment section the user can comment on the post and:
    - **Tag:** The user can tag another user using the @ symbol in comments and they would receive a notification

- o **Report Post:** The user can report an inappropriate post and it will be queued for a staff member to review on the admin panel
- **Comment Section:** Initially collapsed, can be expanded to show user comments. Users can add new comments directly from this section.
- **Report Button:** Allows users to report inappropriate content. Reported posts are removed from the feed until an admin reviews them.

```
+------------------------------------------------------------+
| [User Profile Picture] [User Name] [Timestamp]             |
|------------------------------------------------------------|
| [Post Content (Text/Photo)]                                |
|------------------------------------------------------------|
| @TaggedUser                                                |
|------------------------------------------------------------|
| [ Like (icon) | Comment (icon) | Report (icon) ]           |
+------------------------------------------------------------+
```

4.14.4 Own Posts
- **Profile Picture**: Circular images on the left side for quick user identification.
- **User Name**: Displayed next to the profile picture.
- **Timestamp**: Below the username, indicating when the post was made.
- **Post Content**: Can include text, photos, links, and tagged users. Text will wrap and adjust based on content length.
- **Tagged Users**: Shown as links; tagged users receive a notification.
- **Engagement Icons**: Like, comment, **edit**, and **delete** icons below each post. Icons should be clear, easily tappable, and responsive.
  - o **Tag:** The user can tag another user using the @ symbol
  - o **Comment**: In the comment section the user can comment on their own post
    - ▪ **Tag:** The user can tag another user using the @ symbol in the comments

- o **Edit:** The user can edit their own post
- o **Delete:** The user can delete their own post
- **Comment Section**: Initially collapsed, expandable to show user comments. Users can add new comments directly from this section.

```
+------------------------------------------------------------+

| [User Profile Picture] [User Name] [Timestamp]             |

|------------------------------------------------------------|

| [Post Content (Text/Photo)]                                |

|------------------------------------------------------------|

| @TaggedUser                                                |

|------------------------------------------------------------|

| Like (icon) | Comment (icon) | Edit (icon) | Delete (icon)|

+------------------------------------------------------------+
```

4.14.5 Post Button

Positioned at the bottom right corner, featuring a plus (+) icon. It opens a new screen for creating posts, where users can upload photos, write text/links, and tag other users.

- **Position**: Bottom right corner.
- **Icon**: Plus (+) icon.
- **Function**: Opens a new screen for creating posts, where users can upload photos, write text/links, and tag other users.

4.14.5.1 Post Creation Screen
Create a Post

- **Text Box**: Users can type text for the post. Tag users using the @ symbol, tagged users receive notifications. When links are posted, a snippet with a picture and description appears on the feed.

- **Picture Upload**: A button next to the text box allows users to upload pictures (JPEG format).
- **Post Button**: Tapping this button publishes the post, making it visible to all app users.
- **Cancel Button**: Tapping this button cancels post creation and deletes the draft post.

```
+-----------------------------------------------------------+
| Create a Post                                             |
|-----------------------------------------------------------|
| [ Text Box ]                                              |
|-----------------------------------------------------------
| [ Picture Upload Button ]                                 |
|-----------------------------------------------------------|
| [ Cancel ]                      [ Post ]                  |
+-----------------------------------------------------------+
```

4.14.6 Reporting a Post

How It Works
1. **Report Icon**: A report icon will be available below each post.
2. **Tap to Report**: Tapping the report icon will open a report dialog.
3. **Select Reason**: The user can select a reason for reporting the post from a list of predefined options.
4. **Additional Comments**: An optional text box for users to provide additional comments or details about why they are reporting the post.
5. **Submit Report**: The user submits the report by tapping the "Submit" button.
6. **Admin Review**: Reported posts are removed from the feed until an admin reviews them.

Reporting Process
1. **Report Icon**: Located below each post.

2. **Report Dialog**:
   - **Title:** "Report Post"
   - **Instructions:** "Please select a reason for reporting this post."
   - **Reasons:** A list of predefined reasons which are: "Inappropriate Content, Spam, Harassment".
   - **Additional Comments:** Optional text box for further details.
   - **Buttons:** "Cancel" and "Submit"
3. **Confirmation**: After submitting, a confirmation message will appear, indicating the report has been received.

```
+-----------------------------------------------------------+
| Report Post                                               |
|-----------------------------------------------------------|
| Please select a reason for reporting this post:          |
|-----------------------------------------------------------|
| [ ] Inappropriate Content                                 |
| [ ] Spam                                                  |
| [ ] Harassment                                            |
| [ ] False Information                                     |
| [ ] Other: [Text Box]                                     |
|-----------------------------------------------------------|
| Additional Comments (optional):                           |
| [ Text Box ]                                              |
|-----------------------------------------------------------|
| [ Cancel ]                      [ Submit ]                |
+-----------------------------------------------------------+
```

4.14.7 Editing Own Posts

1. **Edit Icon**: An edit icon will be available below each post the user has created.
2. **Tap to Edit**: Tapping the edit icon will open the post in an editable mode, where the user can modify the text, links, and images.
3. **Save Changes**: Once editing is complete, the user can save the changes by tapping the "Save" button.
4. **Cancel Editing**: If the user decides not to proceed with the edits, they can tap the "Cancel" button to discard changes.

Deleting Own Posts

How It Works
1. **Delete Icon**: A delete icon will be available below each post the user has created.
2. **Tap to Delete**: Tapping the delete icon will prompt a confirmation dialog.
3. **Confirm Deletion**: The user must confirm the deletion to remove the post.
4. **Cancel Deletion**: If the user decides not to delete the post, they can cancel the action.

Visual Design

- **Consistent Theme:** Use the app's existing color scheme, fonts, and button styles to ensure visual consistency.
- **Clean Layout:** Use whitespace effectively to prevent clutter and enhance readability.
- **User-Friendly:** Ensure all interactive elements have sufficient touch targets for easy use.

Functionality

- **Post Creation**: Users can upload photos, write text, and tag other users when creating posts. The process should be intuitive and quick.
- **Interactions**: Users can like and comment on posts, view other users' comments, but cannot reply to comments or like comments.
- **Post Reporting**: Users can report inappropriate posts, which will be removed from the feed until an admin approves or denies them.
- **Post Editing**: Users can edit their own posts, with changes saved and reflected immediately on the feed.

- **Post Deletion**: Users can delete their own posts, with confirmation to prevent accidental deletions.

4.15 Achievements

This screen would show the achievements of the user for that year. The screen would display the progress of the user, the badges they have earned and if the current year is selected the next badge they can earn. And the user has the option to select previous year's from a dropdown menu on the top right to see their progress and badges earned in the previous years.

4.15.1 Header

When a year is selected from the dropdown that year's progress would display in the top section, only the current year and any previous years for which data is available would display in the dropdown. By default the current year would be selected when the user visits the screen.

4.15.2 Main Content Area

There would be a "Progress" label and the total miles, total trips and the total badges earned would be shown under it:

E.g. <total miles traveled in that year> "Miles", <Number of trips> "Trips". <number of badges earned> "Badges earned"

Example:

Achievements

[Drop down]

Progress:

750.0 Miles, 200 Trips, 25 Badges Earned

4.15.2.1 Badges grid

Below the "Progress" section would be where the badges for that year are displayed in a grid (except for lifetime badges they are displayed every year on the grid):

Grid layout: There would be a scrollable grid layout to showcase badges. This will allow users to see multiple badges at once, each row should have 4 badges.

Filters: There will be filters to organize badges such as Distance, Trips, Special Achievements. Users can toggle these to view specific types of badges. Except for lifetime badges will appear as a surprise egg on every filter.

There will be pagination within the badge grid to manage the display of numerous badges. Users can swipe or tap to view the next set of badges. Recently earned badges will be at the top of the grid.

Example:

| Filter: [All] [Distance] [Trips] [Special]

| [Badge1] [Badge2] [Badge3] [Badge4]

| [Badge5] [Badge6] [Badge7] [Badge8]

| [Badge9] [Badge10] [Badge11] [Badge12]

4.15.2.1.1 Badge Details Popup

When a badge in the grid is tapped, a popup will display detailed information about the badge, such as the name, description and date earned. The name will be the name of the badge (listed below in the Badges section) with the word "Badge" next to it added, description will always be "Awarded <badge name> Badge" and the date would be the

date it was earned. The pop-up will also allow the user to share their badge on to social media platforms such as Facebook, Instagram and X.

Example:

| **[Badge Icon]**

| **Name: <Badge name> Badge**

| **Description: Awarded for completing <Badge name>**

| **Date Earned: May 15, 2024**

| **Let others know, choose a platform to share your badge:**

| **[Share to Facebook] [Share to Instagram] [Share to X] |**

| **[Close] |**

Except for Lifetime badges, their detail pop-up will look like the below:

| **[Badge Icon]**

| **Name: <Badge name> Member**

| **Let others know, choose a platform to share your badge:**

| **[Share to Facebook] [Share to Instagram] [Share to X] |**

| **[Close] |**

4.15.2.1.1.1 Social media sharing

When the "Share to Facebook" or "Share to Instagram" or "Share to X" button is clicked the user is forward to that app on their device with the create post/story screen open

with some predefined text and an achievement image of their badge. The achievement image will be the name of the badge, description, date earned and a large badge icon above these field as defined below:

Social media text:

Facebook/Instagram

□□♂ *Woo-hoo! Check out my <Badge name> badge on Sole Power, showcasing my achievement towards sustainability. Proud to earn this as part of the challenge. <Join me> in the green commute challenge and let's make an impact together!* □□ *#SolePower #EcoChampion #GreenCommute*

Twitter

□□♂ *Woo-hoo! Check out my <Badge name> badge on @SolePowerApp! Showcasing my achievement towards sustainability. Proud to earn this as part of the challenge <Join me> in the green commute challenge and let's make a difference together!* □□ *#SolePower #EcoChampion #GreenCommute*

Achievement image:

[Badge Icon]

Name: <Badge name> Badge For e.g. "100 Miles Badge"

Description: Awarded for completing <Badge name>

Date Earned: May 15, 2024

Just earned the <Badge name> Badge on Sole Power!
[App Logo]

4.15.2.3 Next Badge section

On the "Achievements" screen under the badges grid there will be a heading called "Next badge" this will list the next badge the user can earn or is nearest to earning for the current year, this section would be empty and without this heading for any previous

year's. These badges would only be the miles and trip badges not special challenge badges. So for e.g. I have earned 180 miles this year so far and 50 trips, my next badge will be the 250 miles badge. The design will be as below:

|--Next Badge to Earn ---[Icon: Mountain and Leaves]

| Name: <Name of Badge> "Badge", For e.g. 250 Miles Badge

| Description: For completing <Name of Badge>

| Progress so far: 180/250 Miles

| Earn it by: <last date of current year> ---

Whichever badge is the nearest, either a miles badge or a trip badge it would display in this section like the design layout above.

4.15.3 Badge Awarding and flow

If a user hits a miles or trips milestone while automatically tracking a trip, the badge will be awarded instantly. For any manual trip logging, the trip and miles badges should be awarded **3 hours** after the log is complete. Any special challenges badges would be awarded instantly.

Every time a badge is awarded the user would receive a notification or in-app alert for it (badges and their notifications/in-app alerts are detailed below), when the user clicks on the notification or in-app alert they'll be taken to the Achievements screen and the new badge on the grid will be animating. Only when the new badge is tapped, or when a newer badge is earned does the animating of the badge stop.

Example Badge Award Flow

1. **Earn a Badge**: For e.g. user completes 50 miles.
2. **Receive Notification/Alert**: A push notification is sent out to the user for that "50 Miles Badge." Or the user is in the app and receives an in-app alert.
3. **View Badge**: User taps the notification or alert and is taken to the achievements screen where the new badge is displayed with a celebratory animation.
4. **Share Badge**: User taps the badge and sees a pop-up with "Share to Facebook" or "Share to Instagram" or "Share to X" buttons. Tapping any of these button's opens the corresponding app with the achievement image attached and an optional message.

5. **Post to Social Media**: User edits their post or story and shares it to social media.

4.15.4 Community Feed Integration

- **Automatic Posting:** Every time a badge is earned, it is automatically posted to the "Community Feed" wall by the user.
- **Post Content:**
  - **Text:** "⬚ I just earned the [Badge name] badge on Sole Power! Join me in the green commute challenge. ⬚ #SolePower #Achievement"
  - **Achievement Image:** Displays the badge icon, name, description, date earned, and the app logo.

4.15.4.1 Community Feed Design

- **Post Layout:**
  - **Username:** Displays the username of the user who earned the badge.
  - **Text:** Predefined text from the user's perspective, sharing their achievement and encouraging others to join.
  - **Achievement Image:** Visual representation of the earned badge.

```
⬚ I just earned the 100 Miles Badge on Sole Power! Join me in the
green commute challenge. ⬚ #SolePower #Achievement

---------------------------------------

[Badge Icon]


Name: 100 Miles Badge

Description: Awarded for completing 100 miles

Date Earned: May 15, 2024


Just earned the 100 Miles Badge on Sole Power! [App Logo]

---------------------------------------
```

4.15.5 Badges

Badge icons will be awarded when the user reaches the criteria below. The user should see visually distinct and colorful badge icons to make each achievement feel special, there should be a consistent style to maintain a cohesive look. There should be subtle animations, such as badges glowing or expanding when tapped, to enhance the interactive experience.

4.15.5.1 Mileage-Based Badges

- **5 Miles**
    - **Shape:** Circular
    - **Color:** Light green
    - **Icon:** Leaf
    - **Text:** "5 Miles"

- **10 Miles**
    - **Shape:** Circular
    - **Color:** Light green
    - **Icon:** Small plant
    - **Text:** "10 Miles"

- **25 Miles**
    - **Shape:** Circular
    - **Color:** Green
    - **Icon:** Sapling
    - **Text:** "25 Miles"

- **50 Miles**
    - **Shape:** Circular
    - **Color:** Green
    - **Icon:** Tree
    - **Text:** "50 Miles"

- **100 Miles**
    - **Shape:** Circular
    - **Color:** Dark green
    - **Icon:** Forest
    - **Text:** "100 Miles"

- **250 Miles**

- o **Shape:** Circular
- o **Color:** Dark green
- o **Icon:** Dense forest
- o **Text:** "250 Miles"

- **500 Miles**
  - o **Shape:** Circular
  - o **Color:** Bronze
  - o **Icon:** Mountain with leaves
  - o **Text:** "500 Miles"

- **750 Miles**
  - o **Shape:** Circular
  - o **Color:** Bronze
  - o **Icon:** Mountain with trees
  - o **Text:** "750 Miles"

- **1000 Miles**
  - o **Shape:** Circular
  - o **Color:** Gold
  - o **Icon:** Mountain with forest
  - o **Text:** "1000 Miles"

- **2500 Miles**
  - o **Shape:** Circular
  - o **Color:** Gold
  - o **Icon:** Globe with leaves
  - o **Text:** "2500 Miles"

- **5000 Miles**
  - o **Shape:** Circular
  - o **Color:** Platinum
  - o **Icon:** Globe with forest
  - o **Text:** "5000 Miles"

- **7500 Miles**
  - o **Shape:** Circular
  - o **Color:** Platinum
  - o **Icon:** Globe with trees
  - o **Text:** "7500 Miles"

- **10000 Miles**
    - **Shape:** Circular
    - **Color:** Diamond
    - **Icon:** Majestic globe with trees
    - **Text:** "10000 Miles"

4.15.5.2 Trip-Based Badges

- **5 Trips Tracked**
  Shape: Shield
  Color: Light blue
  Icon: Red fox □
  Text: "5 Trips Tracked"

- **10 Trips Tracked**
  Shape: Shield
  Color: Sky blue
  Icon: Beaver □
  Text: "10 Trips Tracked"

- **25 Trips Tracked**
  Shape: Shield
  Color: Medium blue
  Icon: Bighorn Sheep □
  Text: "25 Trips Tracked"

- **50 Trips Tracked**
  Shape: Shield
  Color: Dark blue
  Icon: Black bear □
  Text: "50 Trips Tracked"

- **100 Trips Tracked**
  Shape: Shield
  Color: Deep blue

Icon: Elk □
Text: "100 Trips Tracked"

- **250 Trips Tracked**
  Shape: Shield
  Color: Bronze
  Icon: Moose □
  Text: "250 Trips Tracked"

- **500 Trips Tracked**
  Shape: Shield
  Color: Gold
  Icon: Mountain lion □
  Text: "500 Trips Tracked"

4.15.5.3 Special Achievement Badges

- **Consistent Tracker (30 Days Active)**
  - **Shape:** Star
  - **Color:** Silver
  - **Icon:** Calendar with a checkmark
  - **Text:** "30 Days Active"

- **Streak Master (Logged Trips for 7 Consecutive Days)**
  - **Shape:** Star
  - **Color:** Gold
  - **Icon:** Calendar with a streak
  - **Text:** "7-Day Streak"

- **Frequent Tracker (Logged 5 Trips in a Day)**
  - **Shape:** Circle
  - **Color:** Orange
  - **Icon:** Clock with trips marked
  - **Text:** "5 Trips in a Day"

- **Leader of the Pack (Ranked Top 3 on Individual Leaderboard)**
  - **Shape:** Star
  - **Color:** Blue

- o **Icon:** Trophy
- o **Text:** "Top 3 Rank"

- **Annual Achiever (Logged Trips Every Month in a Year)**
  - o **Shape:** Shield
  - o **Color:** Platinum
  - o **Icon:** Calendar with all months marked
  - o **Text:** "Yearly Tracker"

- **Team Leader (Team Ranked Top 3 on Leaderboard)**
  - o **Shape:** Shield
  - o **Color:** Silver
  - o **Icon:** Team with a trophy
  - o **Text:** "Top Team"

- **Team Contributor (Contributed 100 Miles to Team Total)**
  - o **Shape:** Circle
  - o **Color:** Blue
  - o **Icon:** Hand with a leaf
  - o **Text:** "100 Miles for Team"

- **Milestone Tracker (Logged 50 Trips in a Month)**
  - o **Shape:** Circle
  - o **Color:** Blue
  - o **Icon:** Compass
  - o **Text:** "50 Trips in a Month"

- **Eco Warrior (Used the App for 6 Consecutive Months)**
  - o **Shape:** Shield
  - o **Color:** Green
  - o **Icon:** Leaf with a clock
  - o **Text:** "6 Months Active"

4.15.5.4 Lifetime badges

- **5000 Miles**
  - o **Shape:** Circular
  - o **Color:** Bronze
  - o **Icon:** Mount Harvard
  - o **Text:** "Bronze Member"

- **10000 Miles**
    - **Shape:** Circular
    - **Color:** Silver
    - **Icon:** Mount Massive
    - **Text:** "Silver Member"

- **15000 Miles**
    - **Shape:** Circular
    - **Color:** Gold
    - **Icon:** Mount Elbert
    - **Text:** "Gold Member"

4.16 Profile

The profile screen shows the user's profile information and allows the user to edit their own profile. The profile page without the "Edit" button is visible to other users on the app. Users can access a user's profile by clicking on their display name on the leaderboard screen or the Community feed wall.

4.16.1 Header

There will be a large heading in bold called "Profile" below it will prominently display the user's profile picture, display name, team and a short about me. Include an edit button to edit profile information (only available for the user's own profile).

- **Appearance:** Profile picture on the left, display name, team name (or individual) and About me centered, edit button on the right.
- **Functionality:** Allows users visiting their own profile to inline edit their profile picture, display name and bio (team can be edited in account settings).
  - **Profile picture:** The user should be able to update their profile picture or select a pre-made avatar. Users choose either Avatar or Picture. If Avatar is chosen, they can select from a variety of pre-made, customizable cartoon-style avatars. If picture is selected, users can upload a photo from their device with options to crop and adjust the image. Only one option can be selected, and a preview of the chosen avatar or picture will be shown.

    There will be pre-made cartoon style avatars available that the user can choose as their profile picture.

  - **Display name:** The user should be able to update their display name, it must be available (should be checked in real time).
  - **About me:** The user can update or write a 30-word bio.

```
+===================================================+
|   <-                  Profile                     |
+---------------------------------------------------+
| [Profile Pic]     [Display Name]          [Edit] |
|                      [User Bio]                   |
```

4.16.2 Main Content Area

4.16.2.1 Badges

A section to showcase earned badges for the current year. Badges should be interactive, displaying more details on tap.

- **Layout:** Horizontal scrollable section with all the badges.
- **Interaction:** Tap the badge for a pop-up to show badge details.

```
+--------------------------------------------------+
| [Badge1]  [Badge2]  [Badge3]  [Badge4]  [Badge5]  |
```

Badge Details Popup

When a badge is tapped, a popup will display detailed information about the badge, such as the name, description and date earned. The name will be the name of the badge (listed in the Badges section) with the word "Badge" next to it added, description will always be "Awarded <badge name> Badge" and the date would be the date it was earned. Example:

```
--------------------------------------------------------
|  [Badge Icon]
|  Name: <Badge name> Badge
|  Description: Awarded for completing <Badge name>
|  Date Earned: May 15, 2024
--------------------------------------------------------
```

4.16.2.2 Statistics Overview

This section gives an overview of the total stats of the user for the current yar. It will display total trips logged, total distance traveled, CO2 saved, and money saved for that year. Showcasing these statistics using infographics.

Infographic Cards:

1. **Total Trips Logged**
   - **Design:**
     - Icon: ☐♂
     - Statistic: Number of trips this year
     - Supporting Text: "<trips> Total Trips"
     - Background Color: Vibrant color (e.g., light blue)

Example:

⬚♂

```
120 Total Trips
```

2. **Total Distance Traveled**
   - **Design:**
     - Icon: ⬚
     - Statistic: Distance in miles or kilometers
     - Supporting Text: "<Miles> Total Miles"
     - Background Color: Vibrant color (e.g., green)

Example:

⬚

```
350 Total Miles
```

3. **CO2 Saved**
   - **Design:**
     - Icon: ⬚
     - Statistic: Amount of CO2 saved in pounds or kilograms
     - Supporting Text: "<Co2 saved> Total CO2 Saved"
     - Background Color: Vibrant color (e.g., dark green)

Example:

⬚

```
50 lbs CO2 Saved
```

4. **Money Saved**
   - **Design:**
     - Icon: ⬚
     - Statistic: Amount of money saved in dollars
     - Supporting Text: "<money> Saved"
     - Background Color: Vibrant color (e.g., gold)

Example:

⬚

```
$100 Saved
```

```
+---------------------------------------------------
|                  Statistics Overview             |
```

```
|           ⍚♂                      ⍚                        |
|      120 Total Trips     350 Total Miles          |
|           ⍚                      ⍚                         |
|      50 lbs CO2 saved        $100 Saved           |
```

Showcase all of the user's trips for that year in a table with pagination. Only the most recent 5 trips would be shown and there would be pagination for all the trips for that year.

Layout: Table format with sortable columns.

Columns:

- **Date:** Indicates when the trip took place.
- **Mileage:** Shows the distance traveled.
- **Type**: Categorizes the trip (e.g., work, social).
- **Mode:** Specifies the mode of transport (e.g., walking, cycling).

```
|                    Trips Table                   |
+--------------------------------------------------+
| Date         | Mileage | Type    | Mode          |
|------------|---------|---------|----------------|
| [Date]       | [Miles] | [Type]  | [Mode]        |
| [Date]       | [Miles] | [Type]  | [Mode]        |
| [Date]       | [Miles] | [Type]  | [Mode]        |
| [Date]       | [Miles] | [Type]  | [Mode]        |
```

4.17 Notifications

Available in the menu when the user taps their profile picture or avatar, when tapped the user navigates to the "Notifications" screen, they are provided with a detailed and engaging view of all their notifications.

4.17.1 Header

Centered at the top of the page, the "Notifications" title is displayed in a large, bold font. This title immediately informs users that they are viewing their notifications.

```
----------------------------------------
|  ←   Notifications                   |
----------------------------------------
```
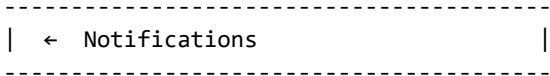
- **Back Arrow:** Located on the top left, allowing users to navigate back to the previous screen.

4.17.2 Main Content Area

The main content area is where all notifications are displayed in a user-friendly, card-based layout. Each notification card is designed to be visually appealing and easy to interact with. Only the last 10 read notifications and 30 unread notifications are shown.

4.17.2.1 Notification Card

Each notification is presented in an individual card. The design details for the notification cards are as follows:

A. Components:

- **Icon:** Positioned on the left side of the card, the icon visually represents the type of notification (e.g., badge earned, inactive while trip logging).
- **Title:** Displayed in bold text next to the icon, summarizing the notification.
- **Description:** Located below the title, providing more details about the notification.
- **Timestamp:** Displayed on the right side of the card, indicating when the notification was received.
- **Actions:** Quick action icons (e.g., "x") are placed below the description for easy interaction.
- **Indicator:** A dot or a different background color indicates unread notifications.

B. Card Layout Example:

```
-----------------------------------------
|  ▱   New Badge Earned!                |
|  You earned the "100 Miles" badge.    |
|  2 hours ago                   [X]    |
-----------------------------------------
```

C. Unread Notification Indicator:

Unread notifications are visually distinguished by a dot or a different background color on the left edge of the card.

4.16.3 Footer

The footer contains quick action buttons that allow users to perform additional actions related to their notifications.

Quick Actions Bar:

- **Start my trip:** An icon/button for auto trip logging.
- **Log Manual Trip:** An icon/button for manual trip logging.

4.16.4 User Flows

4.16.4.1 View Notification:

Initial State:

- User views the notification card.

UI Changes:

- Notification is marked as read

4.16.4.2 View Notification (Card tapped):

Initial State:

- User views the notification card.

Action:

- User taps the notification card.

UI Changes:

- The app navigates to the relevant item being notified in the app
- Notification is marked as read

4.16.4.3 Dismiss Notification (Dismiss Button Clicked):

Initial State:

- User views the notification card.

Action:

- User presses the "X" button.

UI Changes:

- The notification is removed from the list

4.18 Settings

- Account
- Notification settings
- Social accounts
- Language (English or Spanish)
- About the program
- Sponsors
- How to get started
- How it works
- Privacy Policy
- Contact Us
- Log out

4.18.1 Account

The user should be able to update their account details and team settings on this screen. There will be two tabs, one would be called "Details" and one would be called "Team"

4.18.1.1 Details

Email*:

Password*:

First Name*:

Last Name*:

City*:

State*:

Phone number*:

Zip code*:

4.18.1.2 Team
Team settings:

If the user is not part of a team and is an individual, a message should say: You're participating as an individual, to join a team please select "Join a team" below, to create a team, please select "Create a team" below.

If the user is part of a team they should be told "You are part of the <team name> team" and they should be asked do you want to "Leave the team and be an individual" or "Join a team" (different team) or "Create a new team" .

There would be an option labeled "Join a team" which if selected would become enabled and the user can select a team from the dropdown menu, the dropdown menu will have all the current teams in it, and the user must select one.

If they selected "Create a team" then they see a textbox where they have to enter a unique name of the new team (this should be checked in real time). The system will check if the new team name exists and if it doesn't then the user can click "Create" and the admins will be notified for approval and the user will see the below message:

"The new team would be sent to an admin for approval before it will be formed".

If create a new team is selected and the user enters a team name and sets it up, the admin should be sent an email notification.

If the user was part of a team, then a "Leave team and become an individual" option would be available to be selected, if the user selects this and clicks the "Save" button, they would leave their current team and become and individual instantly.

Newsletter*: There should be a toggle here that allows the user to enable or disable subscribing to the newsletter.

4.18.2 Notification settings

Users will access a notification settings screen where they can manage their preferences using On/Off toggle switches. The app will offer the following types of notification settings:

3. Comment on post - toggle On/Off
4. Like on post - toggle On/Off
5. Tagged in post - toggle On/Off
6. Tagged in comment – toggle On/Off

Each notification type can be individually enabled or disabled according to the user's preferences.

4.18.3 Language

The user can select between English and Spanish, if Spanish is selected then all the text would translate to Spanish on the mobile app and the same goes for English. English will be the default selection.

4.18.4 About the Program

The About screen will be a static screen with text with the Sole power logo on the top that will the tell the user about the Sole Power program and how to participate and what's involved.

4.18.5 Sponsors

Web view of sponsors page on the website:

https://www.vail.gov/government/solepower/sponsors

4.18.6 How to get started

Web view of the "How to get started" page:
https://www.vail.gov/government/solepower/about/how-to-get-started/-fsiteid-1

4.18.7 How it works

Web view of the "How it works" page:

https://www.vail.gov/government/solepower/about/how-does-it-work/-fsiteid-1

4.18.8 Privacy Policy

This will be a static text screen and would have the privacy policy of the app.

4.18.9 Contact us

This screen would have the contact details of the reachable staff.

4.18.10 Logout

When the user taps on Logout, a pop-up message will appear which says "Are you sure you want to log-out?" with a Yes and No button. If the user taps "Yes" the user will successfully logout and be shown the login screen. If the user taps "No" then it will just cancel the action.

4.19 Notifications and In-app alerts

The below listed are push notifications the user would receive when outside the app and where applicable the same title and text would be used for in-app alerts the user would receive when inside the app.

4.19.1 Activity

1. **User signed up but has not yet used the app at all as yet**

   Title: "Go Green with Sole Power!"

   Notification Text: "Ready to embark on your green journey? Login to Sole Power now! □□♂□♀ Help cultivate a healthier community and have some fun! □□"

   Interval: Weekly on Sunday at 11 AM

2. **User has signed up and has used the app in the past and is in Eagle County but has not logged a trip for 7 days**

Title: "Keep the Green Going!"

Notification Text: "☐ We Miss You! Let's get back on track and keep our community eco-friendly! Log a trip today and make a difference. ☐☐"

   Interval: Every 7 days until the user logs a trip

3. **User has signed up but not completed profile setup**

   Title: "Complete Your Profile for Sole Power!"

   Notification text: ☐ You're almost there! Complete your profile and start logging your green commute and compete with others!

   Interval: Every 7 days

4. **User started automatic trip log and then has not moved for 30 minutes:**

   Title: "Keep Moving with Sole Power!"

   Notification text: ☐ It looks like you haven't moved for a while. If you've reached your destination, don't forget to end your trip

   Interval: as per condition – has not moved in 30 minutes

5. **Notify the user about the challenge starting**

   Title: ☐♀ Get Ready!

   Notification text: The Sole Power Green Commuting Challenge kicks off tomorrow! ☐ Get set to start logging your trips and let your sole shine!

      b. Interval: Sunday prior to Memorial Day every May every year

6. **Reminder to the user to log their trips**

   Title: ☐ Reminder!

   Notification text: Don't forget to log your trips for the Sole Power Green Commuting Challenge today by 5 pm to be entered to win this week's prize! ☐ ☐☐☐

   Interval: Friday at 1 PM

4.19.2 Community Feed

1. User Tagged in a Post

Title: "Spotlight's On You!"

Notification Text: "☐ You've caught the community's eye! Check out your tag in the feed and share your unique perspective. The stage is yours!"

Interval: Triggered immediately after being tagged

2. User Tagged in a Comment

Title: "You've Been Mentioned!"

Notification Text: "☐ A community member has tagged you in a comment! See what they said and add your voice to the mix. Your input makes us stronger!"

Interval: Triggered immediately after being tagged

3. User's Post Commented On

Title: "Your Post Sparked a Conversation!"

Notification Text: "☐ You've ignited interest! Someone has commented on your post. Join the thread and keep the dialogue flowing!"

Interval: Triggered immediately after a comment is made

4. User's Post Liked

Title: "Your Post is a Hit!"

Notification Text: "☐ Your post just got a like! It seems you're resonating with the community. Keep sharing your journey!"

Interval: Triggered immediately after a like is received

4.19.3 Mileage-Based Badges

1. **5 Miles:**

   Title: "□ First Milestone!"
   Notification: "□ Congrats! You've earned the '5 Miles' badge. Keep going green!"

2. **10 Miles:**

   Title: "□ Double Digits!"
   Notification: "□ Fantastic! You've earned the '10 Miles' badge. Your journey is making a difference!"

3. **25 Miles:**

   Title: "□ Quarter Century!"
   Notification: "□ Amazing! You've earned the '25 Miles' badge. You're helping the planet thrive!"

4. **50 Miles:**

   Title: "□ Half Century!"
   Notification: "□ Incredible! You've earned the '50 Miles' badge. Your efforts are truly commendable!"

5. **100 Miles:**

   Title: "□ Century!"
   Notification: "□ Outstanding! You've earned the '100 Miles' badge. You're a true eco-warrior!"

6. **250 Miles:**

   Title: "□ Green Explorer!"

   Notification: "□ Fantastic! You've earned the '250 Miles' badge. Keep exploring and saving the planet!"

7. **500 Miles:**

Title: "□ Halfway to a Thousand!"
Notification: "□ Phenomenal! You've earned the '500 Miles' badge. Your dedication is inspiring!"

8. **750 Miles:**

   Title: "□ Trail Blazer!"

   Notification: "□ Incredible! You've earned the '750 Miles' badge. Your dedication is making a difference!"

9. **1000 Miles:**

   Title: "□ Eco Champion!"

   Notification: "□ Remarkable! You've earned the '1000 Miles' badge. You're a leader in sustainability!"

10. **2000 Miles:**

    Title: "□ Earth Defender!"
    Notification: "□ Amazing! You've earned the '2000 Miles' badge. Your efforts are protecting our planet!"

11. **3000 Miles:** "□ Green Hero!"

    Title: "**Notification:** "□ Unbelievable! You've earned the '3000 Miles' badge. You're the green hero!"

12. **4000 Miles:**

    Title: □ Ultimate Eco Champion!"

    Notification: "□ Remarkable! You've earned the '4000 Miles' badge. Your commitment is inspiring!"

13. **5000 Miles:**

    Title: "□ Sustainability Legend!"

Notification: "□ Phenomenal! You've earned the '5000 Miles' badge. You're a legend in sustainability!"

4.19.4 Trip-Based Badges

1. **5 Trips Tracked:**

   Title: "🦫 First Tracks!"
   Notification: "□ Congratulations! You've earned the '5 Trips Tracked' <mark>Beaver</mark> badge for tracking 5 trips. Keep g<mark>nawing away at your goals!</mark>"

2. **10 Trips Tracked:**

   Title: " □ You're on the right track"
   Notification: "□ Well done! You've earned the '10 Trips Tracked' **Red Fox** badge for logging 10 trips. Every trip counts!"

3. **25 Trips Tracked:**

   Title: " 🐏 Quarter Century!"
   Notification: "□ Excellent! You've earned the '25 Trips Tracked' <mark>Bighorn Sheep</mark> badge for completing 25 trips. Keep climbing onward and upward!"

4. **50 Trips Tracked:**

   Title: "□ Bear Down for the Earth: 50 Green Commutes Strong!"
   Notification: "□ Excellent! " You've earned the '50 Trips Tracked' <mark>Black Bear badge</mark> for tracking 50 trips. You're making a lasting imprint!"

5. **100 Trips Tracked:**

   Title: " 🦌 Century!"
   Notification: "□ " Superb! You've earned the '100 Trips Tracked' Elk <mark>badg</mark>e for logging 100 trips. Keep racking up the green commuting trips!

6. **250 Trips Tracked:**

Title: " Master of Consistency!"
Notification: "□ Amazing! You've earned the '250 Trips Tracked' Moose <mark>badge</mark> for completing 250 trips. Stay the course and keep tracking your progress!"

7. **500 Trips Tracked:**

Title: " Ultimate Tracker!"
Notification: "□□ Incredible! You've earned the '500 Trips Tracked' <mark>Mountain Lion badge</mark> for tracking 500 trips. You're taking the challenge by leaps and bounds!"

4.19.5 Special Achievement Badges

1. **Consistent Tracker (30 Days Active)**

Title: □ "Active Streak!"
Notification: "□ Badge Earned: Active Streak! Great job! You've been active for 30 days. Your commitment shines!"

2. **Streak Master (Logged Trips for 7 Consecutive Days)**

Title: □ "Streak Master!"
Notification: "□ Badge Earned: Streak Master! Awesome! 7-day streak achieved. Keep the momentum going!"

3. **Frequent Tracker (Logged 5 Trips in a Day)**

Title: □ "Frequent Tracker!"
Notification: "□ Badge Earned: Frequent Tracker! Impressive! 5 trips in a day. You're setting a great example!"

4. **Leader of the Pack (Ranked Top 3 on Individual Leaderboard)**

   Title: ☐ "Leader of the Pack!"
   Notification: "☐ Badge Earned: Leader of the Pack! Congratulations! You're in the top 3 on the leaderboard. You're a leader!"

5. **Annual Achiever (Logged Trips Every Month in a Year**)

   Title: ☐ "Annual Achiever!"
   Notification: "☐ Badge Earned: Annual Achiever! Outstanding! You've logged trips every month this year. True dedication!"

6. **Team Leader (Team Ranked Top 3 on Leaderboard)**

   Title: ☐ "Team Leader!"
   Notification: "☐ Badge Earned: Team Leader! Bravo! Your team is in the top 3. Teamwork makes the dream work!"

7. **Team Contributor (Contributed 100 Miles to Team Total)**

   Title: ☐ "Team Contributor!"
   Notification: "☐ Badge Earned: Team Contributor! Great work! You've contributed 100 miles to your team. Your support is invaluable!"

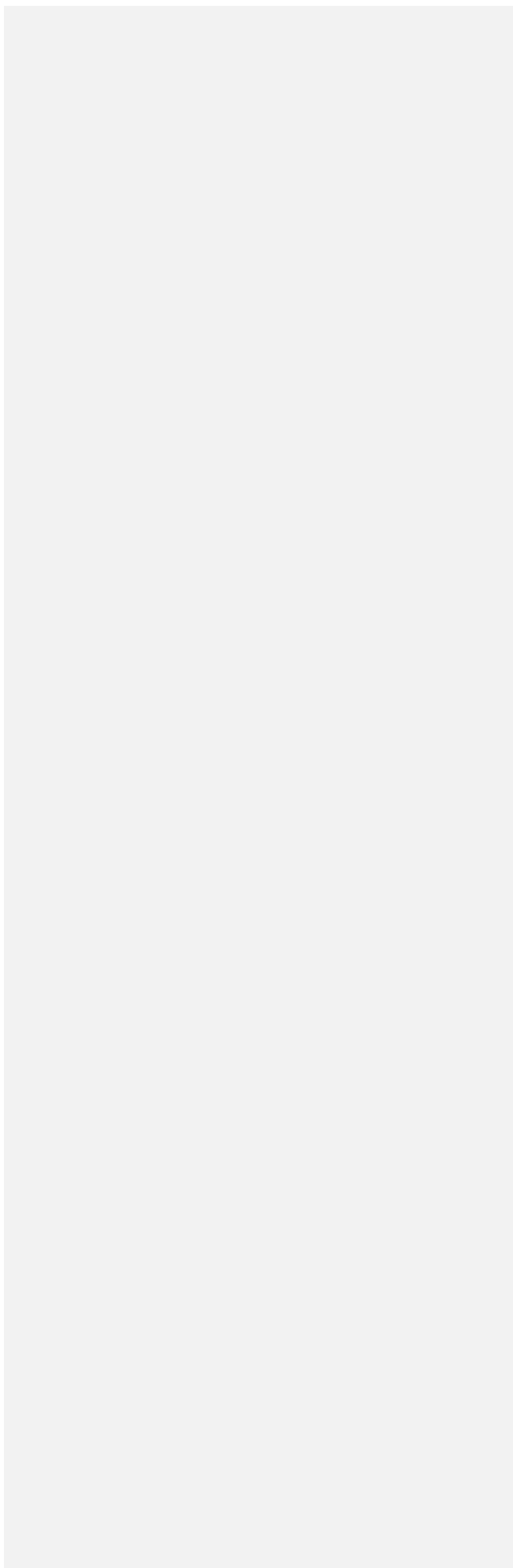8. **Milestone Tracker (Logged 50 Trips in a Month)**

   Title: ☐ "Milestone Tracker!"
   Notification: "☐ Badge Earned: Milestone Tracker! Superb! 50 trips in a month. Your dedication is paying off!"

9. **Eco ==Warrior== (Used the App for 6 Consecutive Months)**

   Title: ☐ "Eco ==Warrior==!"
   Notification: "☐ Badge Earned: Eco Saver! Fantastic! You've been active for 6 months. Your long-term commitment is inspiring!"

5. Functional hierarchy of the admin panel

- Sign-in
  - Forgot Password
- Dashboard
- Users Page
  - User's view page
- Teams page
  - Teams view page
- Community Feed management
- Analytics
- Admin user management
- Send Push Notification
- User reported content
- Settings

6. Functional details of the admin panel

6.1 Sign-In:

The first time, the admin member would login by entering their email address and password received via email. If the login credentials are correct, they would be able to login to the web app successfully. If the login credentials are incorrect an error message will appear saying invalid username or password.

After authentication, the member will be redirected to the screen where they can set up a new password.

They will be prompted to set up a unique and strong password, which should be twelve characters long, has no predictable pattern and contains a mixture of numbers, special characters and both uppercase and lowercase letters. Then the admin member will be taken to the login screen to login with their new credentials.

6.1.1 Forgot Password

Upon tapping this link, a 6-digit code will be generated and sent to the admin member's email address. The admin has to enter the code on the screen and submit it. After authentication, the admin will be redirected to the screen where they can set up a new password.

They will be prompted to set up a unique and strong password, which should be twelve characters long, has no predictable pattern and contains a mixture of numbers, special characters and both uppercase and lowercase letters.

Admin users will not be able to use the same email address for admin and the user of the app.

6.2 Dashboard

The Dashboard is the central hub of the admin panel, designed to provide a comprehensive view of essential metrics and performance indicators in a structured, minimalist, and colorful layout.

6.2.1 Header

Positioned at the top of the page, the header prominently features the "Dashboard" title.

6.2.1.1 Counters

At the top of the dashboard, there is a summary section with two prominent counters showing the **total number of teams** and the **total number of users so far**. These counters are displayed using large fonts and vibrant colors to ensure they stand out.

Below the summary section, the dashboard has three distinct sections: Year to Date, Challenge Totals, and Lifetime Totals. Each section is visually separated using cards or containers with subtle borders or shading. Each section contains five counters displaying Total Miles, Total Trips, Fuel Savings, CO2 Emissions Reduced, and Money Saved.

- **Year to Date**: Displays totals for the current calendar year.
- **Challenge Totals**: Displays totals for the ongoing challenge period.
- **Lifetime Totals**: Displays cumulative totals since the app's inception.

6.2.2 Main Content area

6.2.2.1 User's Table

To the right of the summary and counter sections is the Users Table, which has the heading "Users Table." This table displays all the users of the app and their specific details in columns. Clicking on a user takes the admin to a User's View page. The table includes the following columns:

- First Name
- Last Name
- Email Address
- Display Name
- Affiliation (team name or individual name)
- Total Trips

- Total Miles

The table includes pagination and is sorted by recently added users. Clicking on a user's name in the table opens the User's View page in a new window. A "View all" button navigates to the comprehensive User's Page.

6.2.2.2 Team's Table

Further down is the Team's Table, which displays columns for:

- Team Name
- Number of Members
- Total Mileage
- Money Saved
- CO2 Reduced
- Miles per Member

Clicking on a team's name opens a detailed Team View page in a new window. The Team's Table also includes pagination, and a "View all" button takes the admin to a comprehensive Team's Page.

6.3 User's page

The User's Page is designed to provide admins with a comprehensive view of all users, their details, and related actions. The layout is minimalist, colorful, and user-friendly.

6.3.1 Header

Positioned at the top of the page, the header features the "User's Page" title prominently. To the right, a search bar allows admins to quickly find users by name, display name, or email.

6.3.2 Main content area

6.3.2.1 User Table

Below the header, a table displays all users. This table includes the following columns:

- First Name,
- Last Name,
- Email Address,
- Display Name, A
- Affiliation (Team Name or Individual),
- Total Trips
- Total Miles

Clicking on a user takes the admin to a [User's View page](#). An "Export to CSV" button allows exporting the table data to CSV format, clicking the button starts downloading the file automatically. Each column is sortable, and pagination controls are at the bottom of the table for easy navigation through large datasets.

6.4 User view page

When the "User's row is clicked from the User's table, a detailed User View page opens for that user in a new page. Providing a detailed view of the user's information.

6.4.1 Header

On this page centered at the top of the page, the "User's View" title is in large, bold font. The name of the user will be under it with an Enable/Disable toggle. Enabling it will enable the user to use the app and disabling it will log the user out and not allow them to login until an admin enables them, their status will become inactive. There will also be a "Feed Block" toggle enabling it will block the user from posting on the "Community Feed", disabling it will allow them to do it.

6.4.2 Main content area

6.4.2.1 Personal Information Section:

This will be first section towards the top of the page and it displays the user's First Name, Last Name, Display Name, Email Address, and Address, State, Zip code with a "Modify" button in the end. And next to the Email Address field will be a "Reset Password" button which when clicked, sends a password reset link to the user's email.

Towards the end there will also be a Newsletter toggle, that when enabled will subscribe the user to the newsletter and when disabled will unsubscribe them. Positioned right at the bottom and at the very end will be a large, red "Delete User" button, when clicked will ask the admin in a pop-up: "Are you sure you want to delete this user? This action cannot be undone." if the admin clicks "Yes" it will permanently delete the user and all their data and if the admin clicks "No" it will just cancel.

When the "Modify" button is clicked a pop-up form with the current personal details pre-filled is displayed with First Name, Last Name, Display Name, Email Address, Address, State, Zip code and is editable with a "Save Changes" and "Cancel" button, when "Save Changes" is clicked any changes made are saved, when "Cancel" is clicked the pop-up disappears.

6.4.2.2 Team Information Section:

The will be the second section, this section shows the user's current team name under "Team name" title with a "Change" button for affiliation adjustments, when the "Change" button is clicked a pop-up shows heading "Select new team" with a drop-down menu of all the team names and text that says "Or" then a button that says "Remove Team" and text that says "*Clicking on "Remove Team" will make the user an individual, selecting a new team will join them to the new team*" and then a "Save Changes" button which will save the new changes and a "Cancel" button that will make the pop-up disappear without saving. If the user clicks "Select new team" dropdown and selects a new team and then clicks "Remove team" their team selection will be removed from the drop-down.

6.4.2.3 Trip Information Section:

This will be the third section on the page and it provides overview counters of Total Trips, Total Miles, and Average Commute Distance of the user with a "Log New Trip" button. When "Log New Trip" is clicked it opens a pop-up form to log a new trip for the user with the following:

- **Date:** Input field with a date picker
- **Mileage:** Input field allowing decimal values, max value 150
- **Type of Trip:** Dropdown menu with options "Social", "Work", "Errand"
- **Mode:** Dropdown menu with options "Walk", "Run", "Skate", "Bike", "E-bike", "Other" if "Other" is selected, a textbox is visible with a "Save" button.

And there will be a button says "Log Trip" which will log the trip for the user and update the trip table for the user (in the database) and a "Cancel" button that would exit the pop-up form without saving.

6.4.2.4 Trip table:

This will be the last section on this page and lists all user trips, showing the 10 most recent with pagination, with columns for Date, Mileage, Type of Trip, and Mode. Each entry includes an "Edit" button to modify trip details. When the "Edit" button is clicked a pre-filled pop-up form will be presented with Date, Mileage, Type of Trip, Mode, and Other Mode (if applicable) which will be editable, and a "Save Changes" button .

When the "Save Changes" button is clicked it will save any changes and a "Cancel" button that will make the pop-up disappear without saving. Each column is sortable and pagination controls are at the bottom of the table for easy navigation through large datasets.

6.5 Team's page

The Team's page is designed to provide admins with a comprehensive view of all teams, their details, and related actions. The layout is minimalist, colorful, and user-friendly.

6.5.1 Header

Positioned at the top of the page, the header features the "Team's Page" title prominently. To the right, a search bar allows admins to quickly find teams by name. A "Create Team" button will be positioned next to the search bar and is available for admins to add new teams to the app. Clicking this button opens a form which includes a text box field for the "Team name" with a note that says "The team name must be unique" and there will be "Create" and "Cancel" buttons at the bottom of the form to confirm the creation of the new team or to dismiss the form. After successful creation the team appears everywhere on the apps.

6.5.2 Main content area

6.5.2.1 Teams Table

 Below the header, a table displays the 30 top teams with the title "Teams". This table includes the following columns: Team Name, Number of Members, Total Mileage, Money Saved, CO2 Reduced, and Miles per Member sorted by "Total Mileage". Each row can be clicked to open the detailed Team View page. An "Export to CSV" button allows exporting the table data to CSV, clicking the button starts downloading the file automatically. Each column is sortable, and pagination controls are at the bottom of the table for easy navigation through large datasets.

6.5.2.2 Pending approvals table

Below the "Teams Table" there will be a table which would list all the team names created by users on the app waiting for approval with the title "Pending Approvals". The column names would be "Team name" which would have the name of the team created, "Created on" which would have the creation date, "Created by" which would have the First Name and Last Name of the user who created it and "Display Name" which would have the Display Name of the user who created it and the "Join date" which would have the date of joining of that user, "Email address" would have the email address of the user who created it and "Action" column which would have the "Approve" button and "Reject" button.

Clicking the "Approve" button would approve the team name and notify the creating user and clicking "Reject" would reject the team name and notify the creating user. Both actions would permanently delete the entry from this table.

6.6 Teams view page

When an admin clicks the teams name from the row from the "Teams table", the "Team View Page" is opened, providing a detailed view of the team's information.

6.6.1 Header

Centered at the top, the "Team View" title is presented in a large, bold font. Directly below the title, the <Team's name> is displayed with an "Edit" button for renaming.

When the "Edit" button is clicked, the team name becomes an editable field, allowing the admin to make changes to the name. "Save Changes" and "Cancel" buttons are provided to confirm the new team name or revert to the original if you click cancel. A "Delete Team" button is positioned prominently, colored in red to indicate its significance. Clicking this button prompts a confirmation pop-up: "Are you sure you want to delete this team? This action cannot be undone." The admin can choose "Yes" to proceed with deletion or "No" to cancel. If "Yes" is clicked just the team is deleted, all members then become individuals and keep their records as individuals.

6.6.2 Main content area

6.6.2.1 <Team name> Table

And there's a <Team name> table that displays all the users in the team. This table includes the following columns: First Name, Last Name, Email Address, Display Name, Total Trips, Total Miles, Co2 reduced, Money saved sorted by Total Miles. An "Export to CSV" button allows exporting the table data to CSV or Excel format for offline analysis. Each column is sortable, and pagination controls are at the bottom of the table for easy navigation through large datasets.

6.7 Community Admin Feed

The Community Admin Feed Interface is designed to provide administrators with comprehensive control over the community feed, allowing them to manage posts and moderate content. The layout is clean, functional, and user-friendly, maintaining consistency with the existing web app design.

6.7.1 Header

Positioned at the top of the page, the header features the "Community Feed Management" title prominently displayed in the center.

6.7.2 Main content area

6.7.2.1 Post Creation Section

Below the header, a form allows admins to create new posts for the community feed:

- **Content:** A larger text area labeled "Post Content" for the main body of the post. Users can be tagged directly in this field using the @ symbol.
- **Image Upload:** A button labeled "Upload Image" to attach images to the post.

The form layout is intuitive and user-friendly, with clear labels and sufficient spacing between elements.

```
+-------------------------------------------------------------|
|                                                             
| Post Content: [_____]    |
|               [_____]    |
|               [_____]    |
|               [_____]    |
|               [_____]    |
|                                                             |
| [Upload Image]                                              |
|                                                             |
| [Publish Post] [Cancel]                                     |
+-------------------------------------------------------------+
```

6.7.2.2 Preview Section

A mock-up of how the post will appear in the community feed is displayed in real-time as the admin types in the content field and uploads images.

Action Buttons

At the bottom of the post creation section, action buttons allow admins to publish or discard the post:

- **Publish Post:** A prominent button labeled "Publish Post" to submit the post to the community feed.
- **Cancel:** A button labeled "Cancel" to discard any changes and clear the form.

6.7.2.3 Feed Management Section

Below the post creation area, a feed management section displays existing posts in a scrollable list. Each feed item contains the following elements:

6.7.2.3.2 Admin Posts:

- **Admin Badge:** A distinct badge or icon next to the profile picture indicating an admin post.
- **Background Color:** A subtle background color difference to visually separate admin posts.
- **Profile Picture:** A circular image representing the admin.
- **Admin Name:** Displayed in a different color or font weight to stand out.
- **Timestamp:** Below the admin name, indicating when the post was made.
- **Post Content:** The main body of the post, including text and any uploaded images. Text wraps and adjusts based on content length.
- **Tagged Users:** Displayed as highlighted text within the post content.
- **Engagement Stats:** Displays the number of likes and comments the post has received. Admin Actions: Edit and Delete buttons.

6.7.2.3.2 User Posts:

- **Profile Picture:** A circular image representing the user.
- **User Name:** Displayed in the standard font.
- **Timestamp:** Below the user name, indicating when the post was made.
- **Post Content:** The main body of the post, including text and any uploaded images.
- **Tagged Users:** Displayed as highlighted text within the post content.
- **Engagement Stats:** Displays the number of likes and comments the post has received.

- **Admin Actions:** Delete button only.

Functionality

- **Form Validation:** The "Publish Post" button is disabled until all required fields (Title and Content) are filled out.
- **Real-time Preview:** The preview section updates in real-time as the admin creates or edits a post.
- **User Tagging:** As admins type @ in the Content field, a dropdown appears with user suggestions for easy tagging.
- **Post Editing:** Admins can edit their own posts directly from the feed management section.
- **Post Deletion:** Admins can delete any post, with a confirmation dialog to prevent accidental deletions.
- **Infinite Scroll:** The feed management section implements infinite scroll to load more posts as the admin scrolls down.

Visual Design

- **Consistent Theme:** The design maintains the web app's existing color scheme and font styles for a cohesive look.
- **Distinct Admin Posts:** Admin posts stand out with a unique badge, background color, and text styling.
- **Clean Layout:** Adequate spacing and clear labels ensure the interface is easy to navigate and use.
- **User-Friendly:** The interface is intuitive, with all elements clearly labeled and easy to interact with.

6.8 Analytics

The Analytics page is a vital component of the admin panel, offering detailed insights and metrics about the app's usage and performance. Accessible via a link in the admin panel navigation, it allows admins to select a specific date range using a user-friendly date picker to customize the data displayed.

6.8 1 Header

Positioned at the top of the page, the header prominently features the "Analytics" title. To the right, a date picker allows admins to select a "from" and "to" date, customizing the data displayed on the page.

6.8.2 Main content area

6.8.2.1 User Engagement Metrics

Below the header, the first section of the page displays user engagement metrics. This section includes counters for the following:

- **Total Number of Users**: Displays the total number of users who have registered within the selected date range.
- **Daily Active Users**: Shows the average number of daily active users based on data from the selected date range.
- **Monthly Active Users**: Displays the total number of monthly active users within the selected date range.

- **Average Commute Distance**: Shows the average commute distance for users within the selected date range.
- **Total New Users**: Displays the total number of new users who registered within the selected date range.

Each counter is displayed using large fonts and vibrant colors to ensure they stand out.

6.8.2.2 Transportation Metrics

The second section focuses on transportation metrics, breaking down activity by mode of transportation. Admins can select the desired mode of transport from a dropdown menu, displaying the following metrics:

- **Number of Trips for the Selected Mode**: Shows the total number of trips completed using the selected mode.
- **Number of Miles Traveled by the Selected Mode**: Displays the total miles traveled using the selected mode.

Each metric is displayed within visually distinct cards or containers with subtle borders or shading.

6.8.2.3 Sustainability and Savings Metrics

The third section covers sustainability and savings metrics, displaying the following counters:

- **Total Miles**: Shows the cumulative number of miles traveled within the selected date range.
- **Total Trips**: Displays the total number of trips completed within the selected date range.
- **Fuel Savings**: Shows the total fuel savings achieved within the selected date range.
- **CO2 Emissions Reduced**: Displays the total amount of CO2 emissions reduced within the selected date range.
- **Money Saved**: Shows the total amount of money saved within the selected date range.

Each category (User Engagement, Transportation Metrics, Sustainability and Savings) is designed into its own panel. Within each panel, the relevant counters are displayed clearly, with the Transportation Metrics panel including a dropdown menu to select the mode of transport.

6.8.2.4 Graphs

Below the counters in each panel, graphs provide visual representations of the metrics. These bar graphs allow for easy comparison of data over time and between different date ranges. The layout ensures that all counters and metrics are easily accessible and readable. For each graph:

- **X-Axis**: Represents time (days, weeks, months).
- **Y-Axis**: Represents the corresponding metric value.

Tooltips on tapping display exact values. An 'Export to PDF' button is located at the top-right corner of each graph's frame. Clicking the button automatically downloads the file to the user's system. The exported file has a default name reflecting the graph's content and date range, such as 'Daily_Active_Users_Mar-Apr_2024.pdf'. The PDF file features:

- Metric name in a large bold heading at the top middle.
- A large, colorful, page-width graph.
- Labels for the Y and X axes.
- Sole Power logo in the top right header.
- "From" and "to" date at the top right corner of the graph.

By maintaining a consistent design language and layout, the Analytics page ensures a user-friendly and cohesive experience across the web app.

6.9 Admin User Management

This page will list all the admins of the admin panel with the features needed to manage them.

6.9.1 Header:

At the top of the page, there will be the title "Admin User Management." Next to the title, there will be a search bar on the right side to quickly find admins by name or email address, the search results display the user in the table with the corresponding actions of the Admin Table. An "Add Admin" button will be positioned next to the search bar, which will open a pop-up form to invite a new admin by entering their first name, last name, and email address, a submit button will send the invitation to the entered email address.

6.9.2 Admin Table:

Below the header, there will be a table displaying all admins that have logged in for the first time. The table will include columns for Name, Email Address, Date Added, Status (Active/Inactive), and Actions. In the Actions column each row in the table will have a button called "Disable/Enable" clicking this button will disable the admin's credentials and the admin will be logged out and not be able to login again until "Enable" is clicked (the "Disable" button will become "Enable" when clicked"). Their status will become "Active" or "Inactive" in the "Status" column depending on actions of this button.

In the same "Actions" column there will be a "Reset Password" button which when clicked will send a reset password email to the admin, and there will be a red "Remove" button that when clicked will ask in a pop-up: "Are you sure you want to delete this

admin? This action cannot be undone." if the admin clicks "Yes" it will permanently delete the admin user and all their data and if the admin clicks "No" it will just cancel.

Pagination will be located at the bottom of the table for easy navigation through large datasets. An 'Export to CSV' button will allow exporting the table data to CSV file, clicking the button starts downloading the file autmatically.

Pending Admins List:

Below the Admin Table, there will be a table titled "Pending Admins" for pending admins who have not yet accepted their invitation. The table will have columns for Name, Email Address, and Actions. In the Actions column, there will be a "Re-Send" button that when clicked will resend the invitation to the admin and a "Delete" button that when clicked will the invitation, preventing the admin from logging in unless a new invitation is sent. The admins who login successfully using their invitation will be listed on the Admin table.

6.10 Send Push Notification

The Push Notification Page is designed to provide admins with a comprehensive interface for crafting and sending push notifications to mobile app users. The layout is minimalist, colorful, and user-friendly.

6.10.1 Header

Positioned at the top of the page, the header features the "Send Push Notification" title prominently.

6.10.2 Notification Form

Below the header, a form allows admins to create and preview notifications:

- **Title:** An input field labeled "Title" for the notification's title.
- **Message:** A larger text area labeled "Message" for the notification's body.

The form layout is intuitive and user-friendly, with clear labels and sufficient spacing between elements.

6.10.2.1 Preview Section

A mock-up of a mobile screen displays a real-time preview of how the notification will appear to users as the admin types in the Title and Message fields.

Action Buttons

At the bottom of the page, action buttons allow admins to send or cancel the notification:

- **Send Notification:** A prominent button labeled "Send Notification" to submit the notification. Upon clicking, the notification is sent to all users. Users who tap the notification on their devices will be taken to the community feed screen.
- **Cancel:** A button labeled "Cancel" to discard any changes and return to the previous screen without sending the notification.

Functionality

- **Form Validation**: The "Send Notification" button is disabled until all required fields (Title and Message) are filled out.

- **Real-time Preview:** The preview section updates in real-time as the admin types in the Title and Message fields, showing how the notification will look on a mobile device.

Visual Design

- **Consistent Theme:** The design maintains the web app's existing color scheme and font styles for a cohesive look.
- **Clean Layout:** Adequate spacing and clear labels ensure the form is easy to navigate and use.
- **User-Friendly:** The interface is intuitive, with all elements clearly labeled and easy to interact with.

6.11 User Reported Content

The User Reported Content Page is designed to streamline the process for admins to review and manage reported posts efficiently from the mobile app's Community Feed. The layout is concise, informative, and user-friendly.

6.11.1 Header

Positioned at the top of the page, the header features the "User Reported Content" title prominently.

6.11.1 Report Summary

Below the header, an overview section provides a summary of reported content, that is the total number of reports.

```
+-----------------------------------------------------+
|  Total Reports: 10                                  |
+-----------------------------------------------------+
```

6.11.1.1 List of Reports table

A detailed table displays all reported posts requiring review:

- **Report ID**: Unique identifier for each report.
- **Reporter Display name**: User who reported the post.
- **Reported Display name**: User who created the reported post.
- **Report Reason**: Reason selected by the reporter.
- **Reported Content Preview**: A truncated view of the reported post content.
- **Timestamp**: Date and time when the report was submitted.

The table layout is clear and user-friendly, with well-defined columns and adequate spacing for readability.

```
+-------------------------------------------------------------------------------------+
|Report ID |Reporter Username |Reported Username |Report Reason |Content Preview |Timestamp
|
|-------------------------------------------------------------------------------------|
| 001   | user123        | user456        | Spam        | [Post content] | 2024-05-20
|
| 002   | user789        | user012        | Inappropriate | [Post content] | 2024-05-21
|
| 003   | user345        | user678        | Harassment  | [Post content] | 2024-05-22
|
+-------------------------------------------------------------------------------------+
```

Detailed Steps When Clicking a report

- **Click on a report:** Admin clicks on a report on the list of reports table
- **Transition to Detailed Report View:** The selected report row expands to show the detailed report view directly below the row, ensuring continuity and context.
    - **Transition Effect:** A smooth transition animation expands the selected report row to reveal detailed information, ensuring a seamless user experience.

o **Expanded Detailed Report View:** The detailed report view is displayed below the selected report row, pushing the other rows down to make space. This view includes all necessary information for the admin to review the reported content comprehensively.

6.11.2 Detailed Report View

Clicking on a report from the list expands it to show detailed information:

- **Report ID:** Unique identifier for the report.
- **Reporter Username:** Username of the user who reported the post.
- **Reported Username:** Username of the user who created the reported post.
- **Report Reason:** Reason for the report (e.g., Spam, Inappropriate, Harassment).
- **Timestamp:** Date and time when the report was submitted.
- **Reporter Comments:** Additional comments provided by the reporter, if any.
- **Full Post Content:** Complete view of the reported post, including text, images, and links.
- **Tagged Users:** Any users tagged in the post, displayed as clickable links.
- **Engagement Icons:** Display of likes and comments on the post.

Action Buttons

At the bottom of the detailed view, action buttons allow admins to resolve the report:

- **Approve**: A prominent button labeled "Approve" to confirm the report is valid. Upon clicking, the post is removed.
- **Deny**: A button labeled "Deny" to dismiss the report if found invalid. The post reinstated to it's original spot (time and date on the feed).

```
+--------------------------------------------------+
| Report ID: 001                                   |
| Reporter Username: user123                       |
| Reported Username: user456                       |
| Report Reason: Spam                              |
| Timestamp: 2024-05-20                            |
|--------------------------------------------------|
| Reporter Comments:                               |
| [Additional comments provided by the reporter]   |
```

```
|--------------------------------------------------|
| Full Post Content:                               |
| [Complete view of the reported post, including   |
| text, images, and links]                         |
|--------------------------------------------------|
| Tagged Users: @user456                           |
|--------------------------------------------------|
| Actions:                                         |
| [Approve] [Deny]                                 |
+--------------------------------------------------+
```

Functionality

- **Single-Screen Efficiency**: All necessary information and actions are available on one screen to simplify the review process.
- **Quick Access**: Admins can quickly access and review reported content without navigating through multiple sections.
- **Actionable Options**: Clear and actionable options for admins to resolve reports effectively.

Visual Design

- **Consistent Theme**: The design maintains the web app's existing color scheme and font styles for a cohesive look.
- **Clean Layout**: Adequate spacing and clear labels ensure the table and detailed view are easy to navigate and use.
- **User-Friendly**: The interface is intuitive, with all elements clearly labeled and easy to interact with.

6.12 Settings

The "Settings" heading in the admin panel will act as a parent category under which three new pages will be nested: "Account" , "Challenge Settings" "Giveaway" . Each page will be designed to ensure a consistent and user-friendly experience, maintaining the same UI design language as other sections of the admin panel.

6.12.1 Account

The "Account" page enables admins to manage personal account settings, including password and name changes. It includes the following elements:

6.12.1.1 Header

- **Page Title**: "Account"
- **Breadcrumb Navigation**: A breadcrumb trail to indicate the admin's current location within the app (e.g., Settings > Account).

6.12.1.2 Main content area

6.12.1.2.1 Password Change

A section to change the admin's password:

- **Current Password**: An input field to enter the current password.
- **New Password**: An input field to enter the new password.
- **Confirm New Password**: An input field to confirm the new password.

The password change form is designed for clarity and ease of use, with clear labels and sufficient spacing between fields.

Action Buttons

- **Change Password**: A prominent button to save the new password. A confirmation message appears upon clicking, indicating successful password change and the user will now have to use their new password.
- **Cancel**: A button to discard any changes and revert the fields to their previous values.

6.12.1.2.2 Name Change

A section to change the admin's first and last name:

- **First Name**: An input field to enter the new first name.
- **Last Name**: An input field to enter the new last name.

The name change form is designed similarly to the password change form, ensuring clarity and ease of use.

Action Buttons

- **Save Changes**: A prominent button to save the new name. A confirmation message appears upon clicking, indicating successful name change. The user's new name will now be saved.
- **Cancel**: A button to discard any changes and revert the fields to their previous values.

6.12.2 Challenge Settings

The "Challenge Settings" page allows admins to set and manage the start and end dates for the annual community challenge. It includes the following elements:

Header
- **Page Title**: "Challenge Settings"
- **Breadcrumb Navigation**: A breadcrumb trail to indicate the admin's current location within the app (e.g., Settings > Challenge Settings).

Current Challenge Dates

If the current challenge dates are set, they will be displayed at the top of the page:

- **Current Challenge**:
    1. **Start Date**: Displayed date
    2. **End Date**: Displayed date

Date Configuration Form

Below the current challenge dates, a form allows admins to set new dates:

- **Start Date**: A date picker to select the start date for the upcoming challenge.
- **End Date**: A date picker to select the end date for the upcoming challenge.

The form layout is intuitive and user-friendly, with clear labels and sufficient spacing between elements. Date pickers feature calendar icons to aid in date selection.

Action Buttons

- **Save Changes**: A prominent button to save the entered challenge dates. A confirmation message appears upon clicking, indicating successful saving. The new challenge dates would become effective throughout the mobile apps.
- **Cancel**: A button to discard any changes and revert the fields to their previous values.

Challenge Table

A table lists all past challenges:

- **Year**: The year of the challenge.
- **Start Date**: The start date of the challenge.
- **End Date**: The end date of the challenge.

There will be pagination controls for easy navigation through large datasets. Each column is sortable, allowing organization by year, start date, or end date.

6.12.3 Giveaway settings

The Sole power team does offline giveaways every week, where a trip logger is selected at random and emailed that they have won. The "Giveaway Settings" page allows admins to set and manage the weekly giveaway period and notify winners. It includes the following elements:

Header

Page Title: "Giveaway"

Breadcrumb Navigation: A breadcrumb trail to indicate the admin's current location within the app (e.g., Settings > Giveaway).

```
+===================================================+
|                    Settings                       |
+---------------------------------------------------+
| Settings > Giveaway                               |
+===================================================+
|                 Giveaway Settings                 |
+===================================================+
```

Giveaway Configuration Form

Admins can set the weekly giveaway period and update the Sole Power team member's email address using the form below:

- **From Date:** A date picker to select the start date for the giveaway period.
- **From Time:** A time picker to select the start time for the giveaway period.
- **To Date:** A date picker to select the end date for the giveaway period.
- **To Time:** A time picker to select the end time for the giveaway period.
- **Sole Power Team Member Email:** An input field to enter or update the email address of the Sole Power team member who will be CC'd in the winner notification email.

The form layout is intuitive and user-friendly, with clear labels and sufficient spacing between elements.

Action Buttons

- **Save Changes:** A prominent button to save the new giveaway period and email address. A confirmation message appears upon clicking, indicating successful saving.
- **Cancel:** A button to discard any changes and revert the fields to their previous values.

```
+----------------------------------------------------+
| Set Weekly Giveaway Period                         |
+----------------------------------------------------+
| From Date: [ Date Picker ]  |  From Time: [ Time Picker ] |
| To Date: [ Date Picker ]    |  To Time: [ Time Picker ]    |
|                                                    |
| Sole Power Team Member Email: [ Email Input ]      |
|
| [ Save Changes ]    [ Cancel ]                     |
+====================================================+
```

Current Giveaway Period Display

If the current giveaway period is set, it will be displayed at the top of the page:

- **From:** Displayed start date and time
- **To:** Displayed end date and time

```
+----------------------------------------------------+
| Current Giveaway Period:                           |
| From: [Current From Date and Time]                 |
| To: [Current To Date and Time]                     |
```

```
+=====================================================+
```

Winner Selection and Notification Section

The system automatically selects a random winner for the current period. The winner's information is displayed as follows:

- **Winner:** The display name of the selected winner
- **Email:** The email address of the selected winner
- **Period:** The start and end date and time of the giveaway period

Action Buttons

- **Email Winner:** A button to notify the winner and CC the Sole Power team member.
- **Select Another Winner:** A button to pick another random winner for the same period.

```
+----------------------------------------------------+
| Weekly Giveaway Winner                             |
+----------------------------------------------------+
| Winner: [Winner's Display Name]                    |
| Email: [Winner's Email Address]                    |
| Period: From [Current From Date and Time]          |
|         To [Current To Date and Time]              |
|                                                    |
| [ Email Winner ]                                   |
| [ Select Another Winner ]                          |
+=====================================================+
```

Past Winners Table

A table lists all past winners and their respective giveaway periods:

Columns:

- **From Date:** The start date of the giveaway period
- **To Date:** The end date of the giveaway period
- **Winner's Display Name:** The display name of the winner
- **Winner's Email Address:** The email address of the winner

There are pagination controls for easy navigation through large datasets. Each column is sortable, allowing organization by date or winner's name.

```
+----------------------------------------------------
| Past Giveaway Winners
+----------------------------------------------------
| From Date | To Date   | Winner's Display Name   Winner's Email
Address |
|-----------|-----------|-------------------------------------
| [Date]    | [Date]    | [Display Name]     |[Email]
| [Date]    | [Date]    | [Display Name]     |[Email]
| [Date]    | [Date]    | [Display Name]     |[Email]
| [Date]    | [Date]    | [Display Name]     |[Email]
+----------------------------------------------------+
| Pagination Controls
```

6.12.4 Gas Price Settings

The "Gas Price Settings" page allows admins to set and manage the gas prices, which are used to calculate "CO2 reduced", "gas saved", and "money saved" metrics for the users. It includes the following elements:

- **Page Title:** "Gas Price Settings"
- **Breadcrumb Navigation:** A breadcrumb trail to indicate the admin's current location within the app (e.g., Settings > Gas Price Settings).

Current Gas Price Display

If the current gas price is set, it will be displayed at the top of the page:

- **Current Gas Price:** Displayed price per gallon

Gas Price Configuration Form

A form allows admins to set a new gas price:

- **New Gas Price:** An input field to enter the new gas price per gallon. The form layout is intuitive and user-friendly, with clear labels and sufficient spacing between elements.

Action Buttons

- **Save Changes:** A prominent button to save the new gas price. A confirmation message appears upon clicking, indicating successful saving. The new gas price would become effective throughout the mobile apps.
- **Cancel:** A button to discard any changes and revert the fields to their previous values.

6.12.5 Community Feed Settings

The "Community Feed Settings" page allows admins to enable or disable the automatic posting of badges on the community feed wall. It includes the following elements:

Header

- **Page Title:** "Community Feed Settings"
- **Breadcrumb Navigation:** A breadcrumb trail to indicate the admin's current location within the app (e.g., Settings > Community Feed Settings).

Badge Posting Configuration Form

- Admins can enable or disable the automatic posting of badges using the form below:
    - **Enable Automatic Badge Posting:** A toggle switch to enable or disable the feature.

- When enabled, any time a user wins a badge, it is automatically posted on the community feed wall.
- When disabled, badge achievements are not posted on the community feed wall.

Action Buttons

- **Save Changes**: A prominent button to save the new setting. A confirmation message appears upon clicking, indicating successful saving.
- **Cancel:** A button to discard any changes and revert the fields to their previous values.

Current Badge Posting Setting Display

- If the current setting is enabled, it will be displayed at the top of the page:
  - Automatic Badge Posting: Enabled
- If the current setting is disabled, it will be displayed at the top of the page:
  - Automatic Badge Posting: Disabled

7. Functional hierarchy of the website

- Update stats on the homepage
- Support stats and leaderboard of the current website by using the current database

8. Functional Details of the website

8.1 Update stats on the homepage

The following stats will be automatically updated on the home page using numbers from the database at a set interval every day, link: https://www.vail.gov/government/solepower:

174

Number of participants in 2024 Challenge

$1379

Dollars of fuel saved in 2024 Challenge

7402

Miles logged in 2024 Challenge

6789

LBS of carbon reduced in 2024 Challenge

## 8.2 Support current stats, leaderboard and profile logins

Our implementation will ensure the current website will allow loggin in for users, allw them to log trips, and view the updating of the leaderboard table until the front-end is available for us to use.

Please sign below to confirm that you have read and agree that this document captures all the requirements on the basis of which App Maisters will be delivering the required solution and it also covers all the requirements as mentioned under Exhibit A of the MSA signed by both parties.

On & Behalf of the Sole Power	On Behalf of App Maisters
Name of Reviewer : Beth Markham	Project Manager: Taimur Longi
Date: 06/21/24	Date: 06/21/24
Signature: *Beth Markham*	Signature: *Taimur Longi*

Title	App Development Statement of Work between City of Vail & App...
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The document has been completed.